

World insulation strip  
Made in BOTAG, China

世界隔热条  
中国宝泰造



SERVICE HOTLINE  
400-005-8195

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山东宝泰隔热材料有限公司  
SHANDONG BAOTAI INSULATION MATERIAL CO., LTD



Window and curtain wall  
insulation solution service  
provider.

中国领先的门窗幕墙隔热解决方案服务商

中宝泰®  
**BOTAG**



## **Any challenges in the field of energy-efficient building doors and windows**

在建筑节能门窗领域的任何挑战  
宝泰与您相伴！

我们的职责是为客户提供所需的门窗隔热结构件来制造他们的产品，这些配件均采用高精度热塑料制成，能够满足各种特殊需求。

您唯一需要记住的是与您接洽的宝泰业务专员的名字。这位专员将在业务启动之初为您寻找最佳解决方案，确保产品及服务的高品质，同时为您挖掘当前项目之外的全新机遇。这也是我们对自身定位的理解。下面就让我们与您一起，一同探讨隔热解决方案。

## **Our product is right Beside you**

我们的产品就在您的身边

Insulation strip expert  
Suitable for aluminum alloy  
doors and windows  
And framed curtain walls

山东宝泰隔热材料有限公司  
位于中国铝业之都——山东临朐。

公司成立以来，致力于节能材料的创新与研发，是集科研开发、工程塑料改性、制造加工于一体的科技型企业。

公司于 2012 年自国外引进先进工艺技术及设备，开发生产建筑用聚酰胺隔热条，用 12 年的时间，达到国际铝型材隔热条生产技术水平，成为助力我国节能降碳绿色发展事业的又一支生力军。



## Using green technology to support low-carbon living

用绿色科技 助力低碳生活

### 初心：

为地球节约每一份能源。

### 价值观：

绿色 诚信 专注 精进 利他。

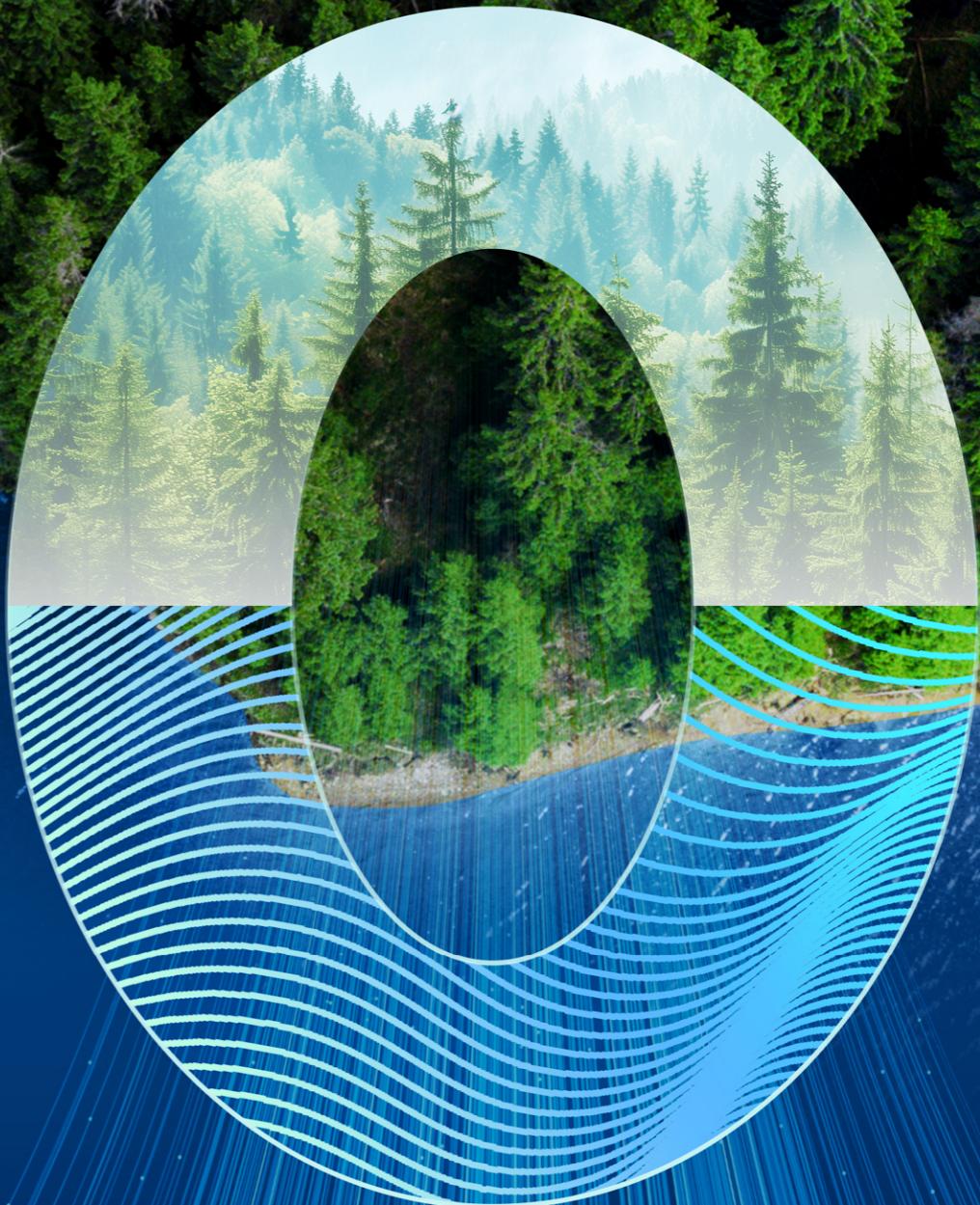
### 愿景：

让每一座城市用上宝泰的产品

让每一扇门窗成为绿色节能典范！

### 使命：

追求全体员工物质与精神双幸福的同时，让宝泰隔热条，  
赋能中国好门窗，为人类社会可持续发展做出贡献！





Establishing sincere partnerships.

建立真诚伙伴关系



专业知识与技术  
Know-how



深度合作服务  
Service



质量保证  
Quality



为客户提供解决方案  
Research and development



支持与测试  
Support and Tests



应用领域  
Fields of application

12

12 年耕耘，积累专业经验

12 years of cultivation and accumulation of professional experience.

23

个网点，不间断提供服务

different languages in which we understand your needs.

40

拥有现代化厂房40000多平方米

Having over 40000 square meters of modern factory buildings.

100

100余条尼龙隔热条生产线

More than 100 nylon insulation strip production lines.

30

员工200多名 30名研发技术人员

More than 200 employees and 30 research and development technicians.

2.8

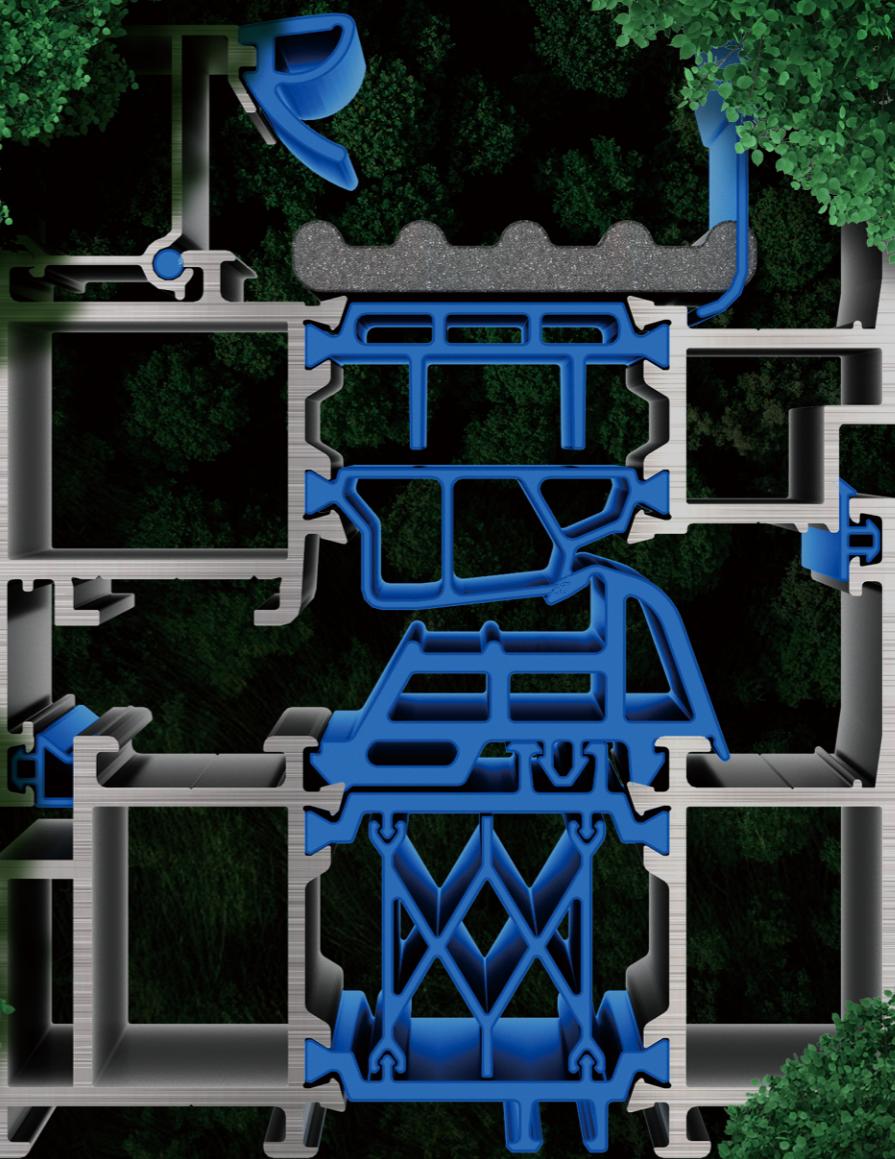
年生产隔热条 2.8亿米

Annual production of insulation strips: 280 million meters

Botag Assist in low-carbon living

## 双碳引领 共“窗”未来

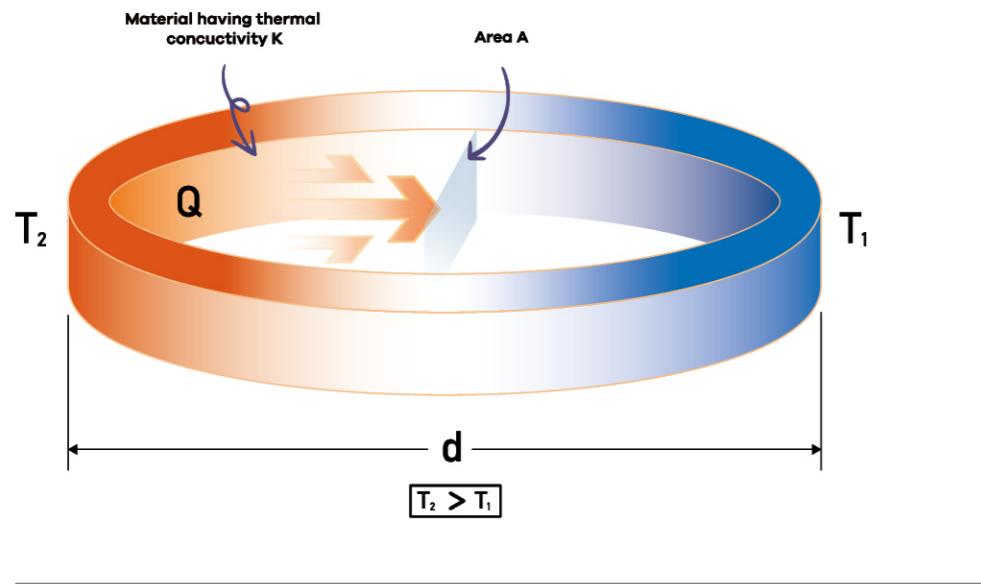
因气候而定制，“碳”寻门窗节能减耗之路



# Thermal calculation.

满足系统隔热需求

## 热力计算 - 室内外温差数据呈现



### 提供“热力计算”技术支持

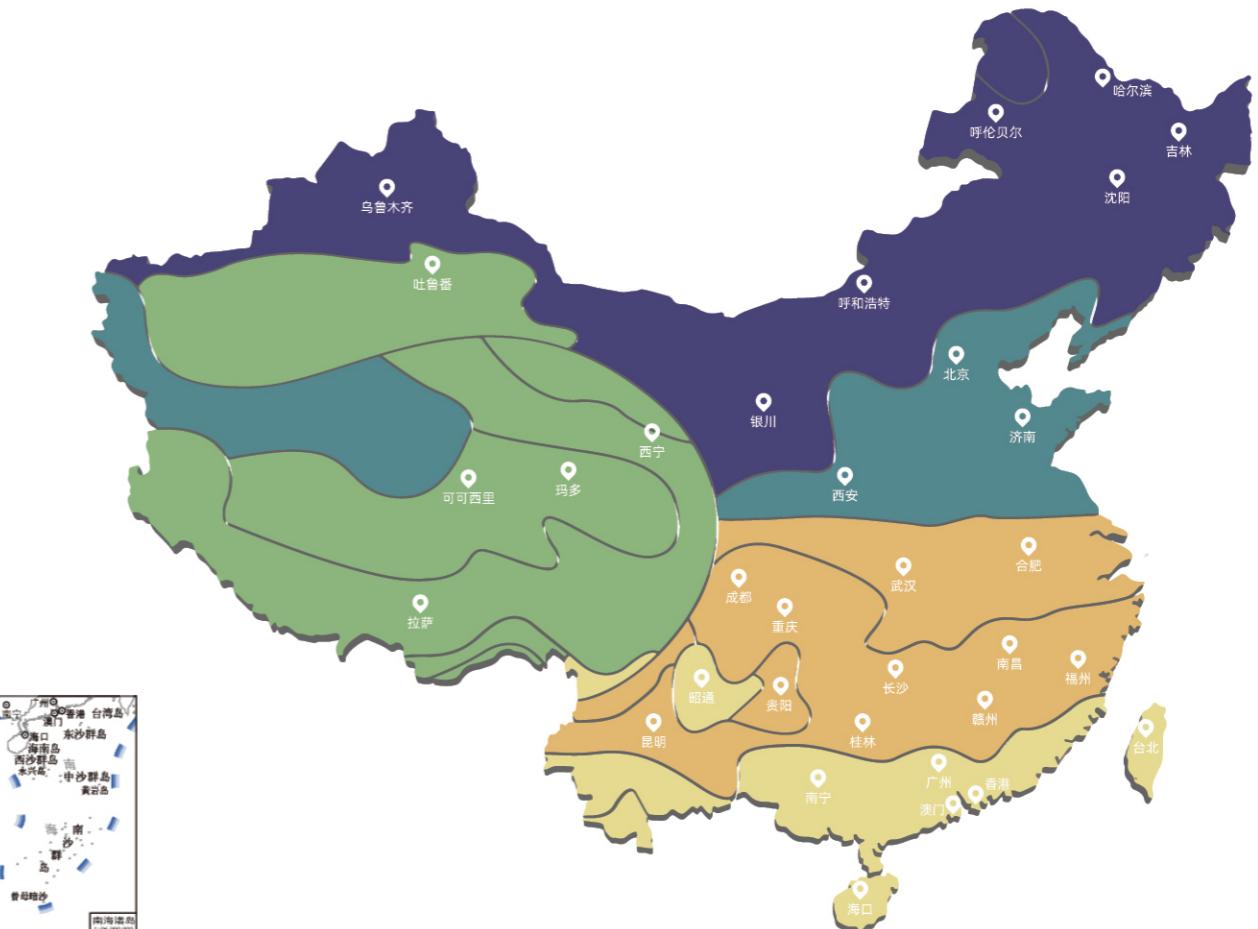
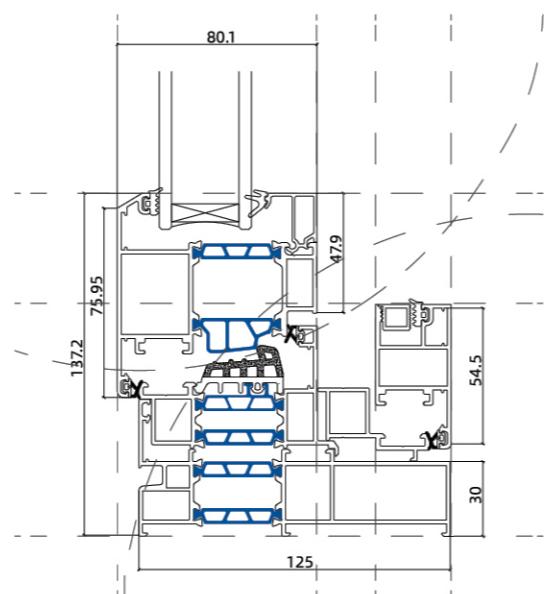
通过实验设备，测试产品在应用中的真实数据，验证设计的有效性。

### Professional knowledge and technical expertise.

#### 专业知识和专业技术

得益于日积月累的专业知识和专业技术，我们开发出了一种经济、精确的方法，用以提供各类标准解决方案。

这里所说的精确，是指精密的计算、正确的角度判定，以及对产品尺寸的模拟。我们所做的一切，都是为了满足您的需求。

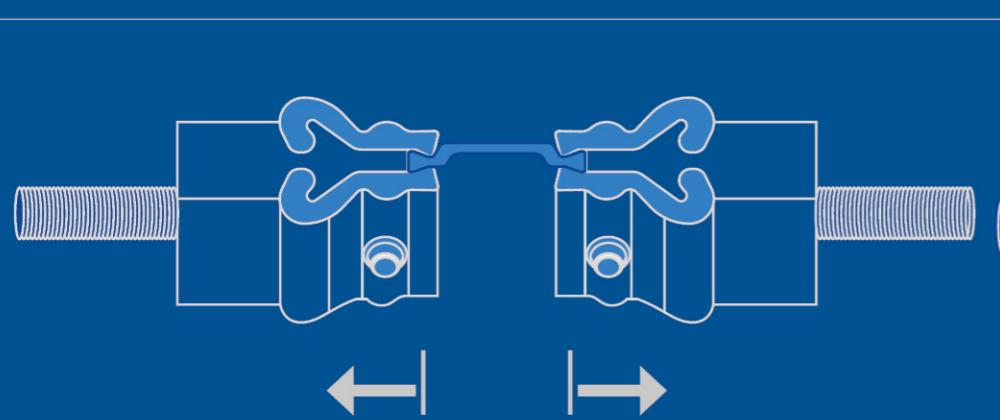


气候区域	省份	省会	K值 (W²·K) 现行标准	建议玻璃配置
严寒、寒冷	黑龙江	哈尔滨	$K \leq 1.6$	三玻两腔双中空 充氩气、暖边、双银、Low-e
	吉林	长春	$K \leq 1.7$	
	辽宁	沈阳	$K \leq 1.8$	
	北京	/	$K \leq 2.0$	
	天津	/	$K \leq 2.0$	
	河北	石家庄	$K \leq 2.0$	
	山西	太原	$K \leq 2.0$	
	内蒙古	呼和浩特	$K \leq 1.8$	
华东地区	新疆	乌鲁木齐	$K \leq 1.5$	白玻 +Low-e 中空 充氩气、暖边
	上海	/	$K \leq 2.2$	
	山东	济南	$K \leq 1.5$	
	江苏	南京	$K \leq 1.8$	
	浙江	杭州	$K \leq 1.8$	
	安徽	合肥	$K \leq 2.0$	
	江西	南昌	$K \leq 2.5$	
华中地区	福建	福州	$K \leq 2.6$	白玻中空 充氩气、暖边
	河南	郑州	$K \leq 2.0$	
	湖北	武汉	$K \leq 2.0$	
	湖南	长沙	$K \leq 2.5$	
	青海	西宁	$K \leq 1.8$	
	陕西	西安	$K \leq 2.0$	
	重庆	/	$K \leq 1.5$	
西部	甘肃	兰州	$K \leq 1.5$	$K \leq 2.5$ 地区建议使用 白玻 +Low-e 中空
	宁夏	银川	$K \leq 2.0$	
	四川	成都	$K \leq 2.2$	
	西藏	拉萨	$K \leq 2.0$	
	广东	广州	$K \leq 3.0$	
	海南	海口	$K \leq 3.0$	
	台湾	台北	$K \leq 2.6$	
夏热冬暖	广西	南宁	$K \leq 30$	白玻中空 充氩气、暖边
	香港	/		
	澳门	/		
	贵州	贵阳	$K \leq 2.5$	
	云南	昆明	$K \leq 2.5$	
温和				

## Mechanics Simulation.

满足系统安全需求

力学模拟 - 高温横向抗拉测试



我们不仅做隔热系统，更要保证这一套系统能高效且安全地运行，保证每个家庭的安全。每个隔热系统，都通过门窗 / 幕墙有限元分析，布置不同位置的力学分布，让隔热系统的承载更为合理。

提供“力学模拟”技术支持

通过高温横向抗拉测试，模拟在恶劣环境中，检测可承受的最大抗拉能力。



我们研发团队掌握力学性能相关的专业技术和知识。既保证隔热条有优秀的隔热能力，又在使用过程中，复合门窗 / 幕墙系统的安全与结构需求。我们有一套模拟软件，能进行结构上力学的分析，提供优秀的力学解决方案，增加门窗 / 幕墙系统的可靠性，保证质量最佳，又能减少研发成本。

宝泰隔热条

不达标隔热条

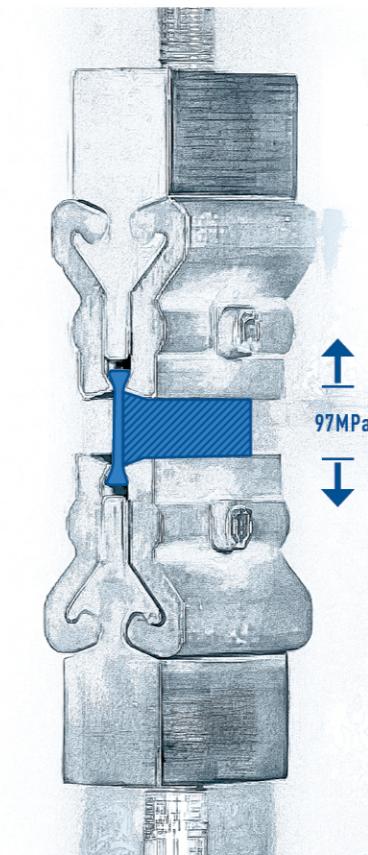
产品强度测试

横向抗拉斜线

1

国标 GB/T 23615.1-2017 要求  
室温横向抗拉强度

不低于 90MPa



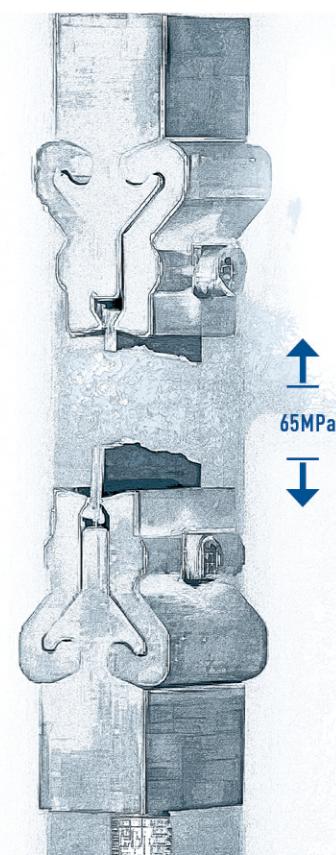
↑  
97 MPa

还原恶劣使用场景

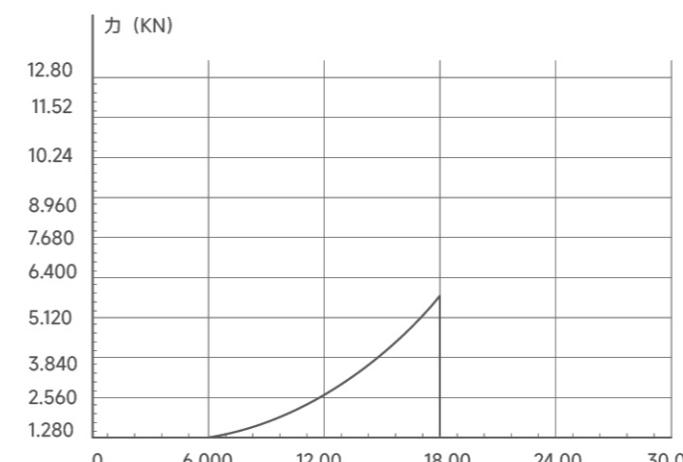
高温加热 常温 - 120°C

模拟隔热条在抵抗热、氧、光老化后的状态，匹配门窗在极端环境下的状态。

2

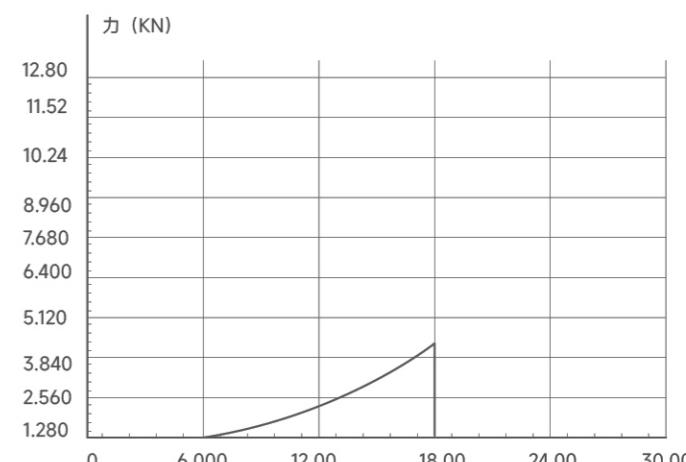


↑  
65 MPa



97 MPa

满足国标标准



65 MPa

不满足国标标准

OTHER

# Product standards

## 宝泰「聚酰胺隔热条」的产品材料

PA66 具备较高的机械强度，耐高温、抗紫外线辐射、抗化学试剂腐蚀，同时具备可以保证产品尺寸精度的稳定性。

隔热条基材选择： **聚酰胺尼龙 ( PA66 )**



**优质原材料**

呈本色、色泽均匀



**劣质原材料**

颜色杂质多、形状破碎

隔热条强化物的选择： **玻璃纤维 ( GF )**

玻璃纤维 ( GF ) 制成不但提高增强尼龙 PA66 强度、耐热耐候性能，而且与铝合金的线膨胀系数极为接近，与型材复合后的整体性能好。



**合格纤维**

玻璃纤维很长且透明，通常长约 350μm。



**不合格纤维**

玻纤颜色杂质多，容易塌陷。

## 隔热条的生产工艺 : 玻璃纤维排列

隔热条生产工艺中的核心技术：改变部分玻璃纤维的排布方向（多向复合网状排列，分布均匀）。



**合格的内部结构**

内部结构致密，玻璃纤维纵横交错。

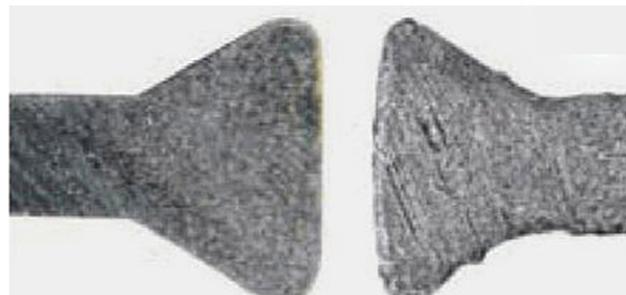


**不合格的内部结构**

内部结构疏松多空。少量纵向排列的玻璃纤维且存在气泡。

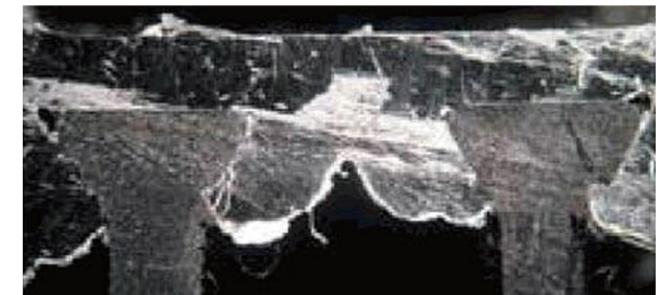
## 隔热条的尺寸精度及稳定性

隔热条外形尺寸的精度影响型材的复合质量，隔热条的尺寸精度不足容易造成隔热型材外形尺寸偏差及内应力的产生，进而影响隔热窗的“三性”( 水密性、气密性、抗风性 )。



**好的外形**

无气泡和裂纹。



**不好的外形**

存在气泡和裂纹



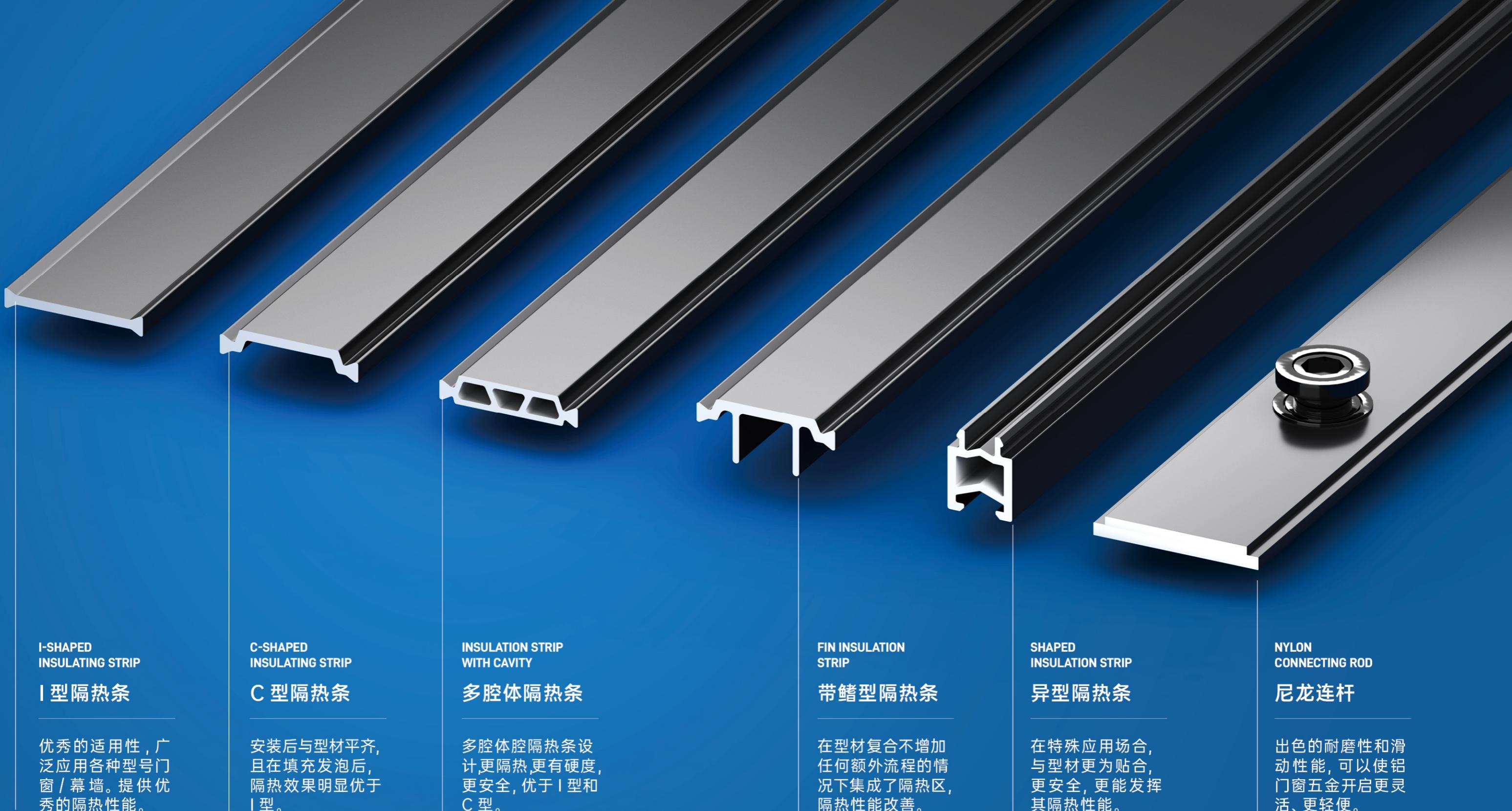
**好的内部**

玻璃纤维分布和方向性均匀。



**不好的内部**

玻璃纤维分布和方向性不均匀。



Create a lower K-value.

不变的尺寸

创造更低的 K 值

#### I-SHAPED INSULATING STRIP I型隔热条

优秀的适用性，广泛应用各种型号门窗 / 幕墙。提供优秀的隔热性能。

#### C-SHAPED INSULATING STRIP C型隔热条

安装后与型材平齐，且在填充发泡后，隔热效果明显优于 I 型。

#### INSULATION STRIP WITH CAVITY 多腔体隔热条

多腔体腔隔热条设计，更隔热，更有硬度，更安全，优于 I 型和 C 型。

#### FIN INSULATION STRIP 带鳍型隔热条

在型材复合不增加任何额外流程的情况下集成了隔热区，隔热性能改善。

#### SHAPED INSULATING STRIP 异型隔热条

在特殊应用场合，与型材更为贴合，更安全，更能发挥其隔热性能。

#### NYLON CONNECTING ROD 尼龙连杆

出色的耐磨性和滑动性能，可以使铝门窗五金开启更灵活、更轻便。

研发团队不断实验下，发现隔热条的长度，厚度，材料的不同，都会影响到隔热性能。

在尺寸不变的情况下，隔热条的形态不同，也会很大程度上影响起隔热性能，机械力学性能。

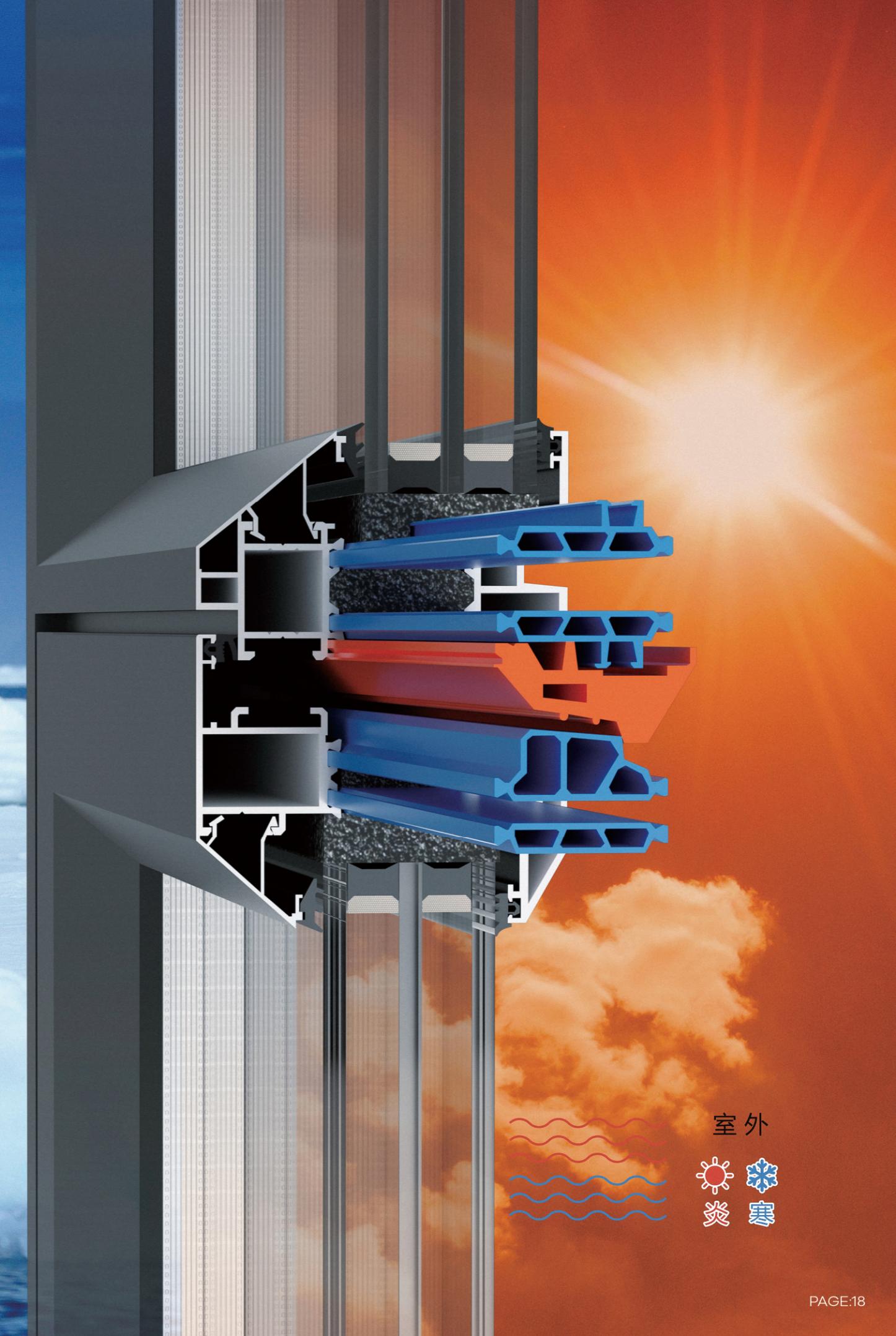
# 营造恒温居室

CREATE A CONSTANT TEMPERATURE ROOM

室内外温度37%的热量交换是从窗户产生的  
装配宝泰隔热条能让系统门窗保温效果能提升35%左右



室内温度  
适宜



# Product performance of Youtai's "polyamide insulation strip"

宝泰「聚酰胺隔热条」的产品性能

GB/T  
23615.1-2017

项目 PROJECT	国标要求 REQUIRE	宝泰实测值 MEASURED VALUE
密度 Density	1.30±0.05g/cm <sup>3</sup>	1.31g/cm <sup>3</sup>
邵氏硬度 HD Shore Hardness(HD)	80±5	81.2
低温无缺口冲击强度 (-30°C ±2°C ) Unnotched Impact Strength at Low Temperature (-30°C ±2C)	≥ 50 kJ/m <sup>2</sup>	51.5kJ/m <sup>2</sup>
室温纵向抗拉特征值 (23°C ±2°C ) Characteristic Value of Tensile Strength at Room Temperature(23°C ±2°C )	≥ 90 MPa	92MPa
室温纵向拉伸断裂伸长率 Elasticity at Breaking at Room Temperature	≥ 3%	7.40%
室温纵向拉伸弹性模量 Modulus of Elasticity at Room Temperature	≥ 4500 MPa	4600MPa
室温横向抗拉特征值 (23°C ±2°C ) Characteristic Value of Transverse Tensile Strength at Room Temperature(23°C ±2°C )	≥ 90 MPa	95MPa
高温横向抗拉特征值 (90°C ±2°C ) Characteristic Value of Transverse Tensile Strength at High Temperature(90°C ±2°C )	≥ 55 MPa	58MPa
低温横向抗拉特征值 (-30°C ±2°C ) Characteristic Value of Transverse Tensile Strength at Low Temperature(-30°C +2°C )	≥ 90 MPa	90MPa
耐水试验 (沸水试验) Water Resistance Test(boiling water test)	≥ 85 MPa	105MPa
轴钉应力开裂试验 Stress Crack Test	孔口无裂纹	孔口无裂纹
玻璃纤维含量 Glass Fiber Content	25±2.5%	25±2.5%
DSC 熔融峰温 Melting Peak Temperature(Differential Scanning Calorimetry)	≥ 255°C	259.9°C
热老化试验 (1000h) Thermal Ageing Test(1000h)	≥ 60 MPa	81MPa

GB/T23615.1-2017 铝合金建筑型材用辅助材料“a”该值代表 I 型条 (BT2000)

## Advantages of Baotai's "Insulation Strip" Product

宝泰「隔热条」产品优势

### 高抗拉力、高剪应力承受与高机械强度

宝泰隔热条精湛独特的挤压工艺使玻璃纤维分布更加均匀，具更强的抗拉力、更强的剪应力承受与高机械强度，可满足高设计要求及钻孔铣槽等机械加工需要，确保隔热铝合金门窗、玻璃幕墙的长久稳定，并可直接连接门窗配件。

### 线性膨胀系数与铝型材相近

宝泰隔热条线性膨胀系数与铝型材相近，确保在任何自然条件下，隔热条与铝型材始终紧密结合而不移位或脱落。

### 高温加工

宝泰隔热条具有优异耐高温性能，可满足铝合金型材后续特殊加工等生产需要。

### 高尺寸精度

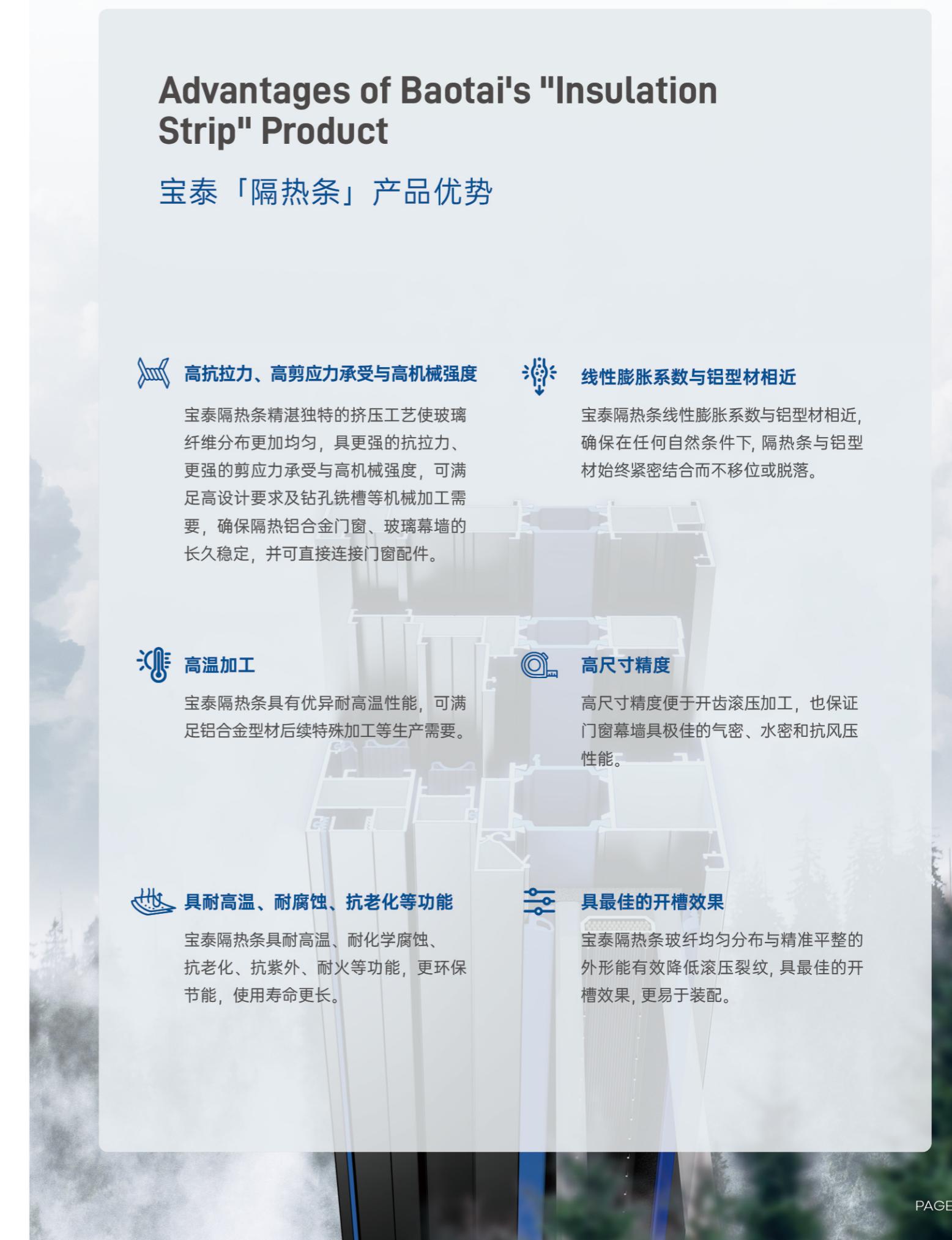
高尺寸精度便于开齿滚压加工，也保证门窗幕墙具极佳的气密、水密和抗风压性能。

### 具耐高温、耐腐蚀、抗老化等功能

宝泰隔热条具耐高温、耐化学腐蚀、抗老化、抗紫外、耐火等功能，更环保节能，使用寿命更长。

### 具最佳的开槽效果

宝泰隔热条玻纤均匀分布与精准平整的外形能有效降低滚压裂纹，具最佳的开槽效果，更易于装配。



## U value calculation.

U 值计算 - 验证设计的有效性

$$U_w = (U_f \cdot A_f + U_g \cdot A_g + L_g \cdot \Psi) / (A_f + A_g)$$

$U_w$  (整窗的传热系数)

$U_f$  (型材的传热系数 w/m<sup>2</sup>k)

$A_f$  (隔热型材的面积 m<sup>2</sup>)

$A_g$  (中空玻璃的面积 m<sup>2</sup>)

$L_g$  (中空玻璃的周长 m)

$U_g$  (中空玻璃的传热系数 w/m<sup>2</sup>k)

$\Psi$  (中空玻璃边界的线性传热系数 w/m<sup>2</sup>k)

不同隔热条型材 节能效果对比	14.8MM 隔热条配置	18.6MM 隔热条配置	24MM 隔热条配置	35.3MM 隔热条配置	45.3MM 隔热条配置
<b><math>U_F</math></b> (W/M <sup>2</sup> K) 3.5	<b><math>U_F</math></b> (W/M <sup>2</sup> K) 3.5	<b><math>U_F</math></b> (W/M <sup>2</sup> K) 3.2	<b><math>U_F</math></b> (W/M <sup>2</sup> K) 2.5	<b><math>U_F</math></b> (W/M <sup>2</sup> K) 2.0	
 GLASS CONFIGURATION 玻璃配置	5+12A+5 $U_f$ (W/M <sup>2</sup> K) 2.68	5+9A+5Low-E 单银 Low-E $U_f$ (W/M <sup>2</sup> K) 2.68	5+9A+5Low-E 单银 Low-E $U_f$ (W/M <sup>2</sup> K) 2.68	5+12A+5Low-E 单银 Low-E 充氩气 $U_f$ (W/M <sup>2</sup> K) 2.68	6+12Ar+6+12Ar+5Low-E 单银 Low-E 充氩气 $U_f$ (W/M <sup>2</sup> K) 2.68
 GLASS SPACER 玻璃间隔条	普铝冷边	普铝冷边	普铝冷边	普铝冷边	普铝冷边
 整窗 $U_w$ (W/M <sup>2</sup> K)	3.1	2.6	2.4	2.0	1.5
 ENERGY SAVING 节约能源 (较 1980 年)	50%	60%	65%	70%	75%

**U** 值越低  
节能效果更佳

- 01 上述配置对应的窗型，1230\*1480mm 的内开窗
- 02 玻璃面积占总面积的 75%。

## Quality management system.

质量管理体系

为了保证卓越的品质，宝泰已建立从材料测试，工艺设计，产品研发，原料采购，  
生产管理到售后质量追踪在内的综合质量控制管理体系。



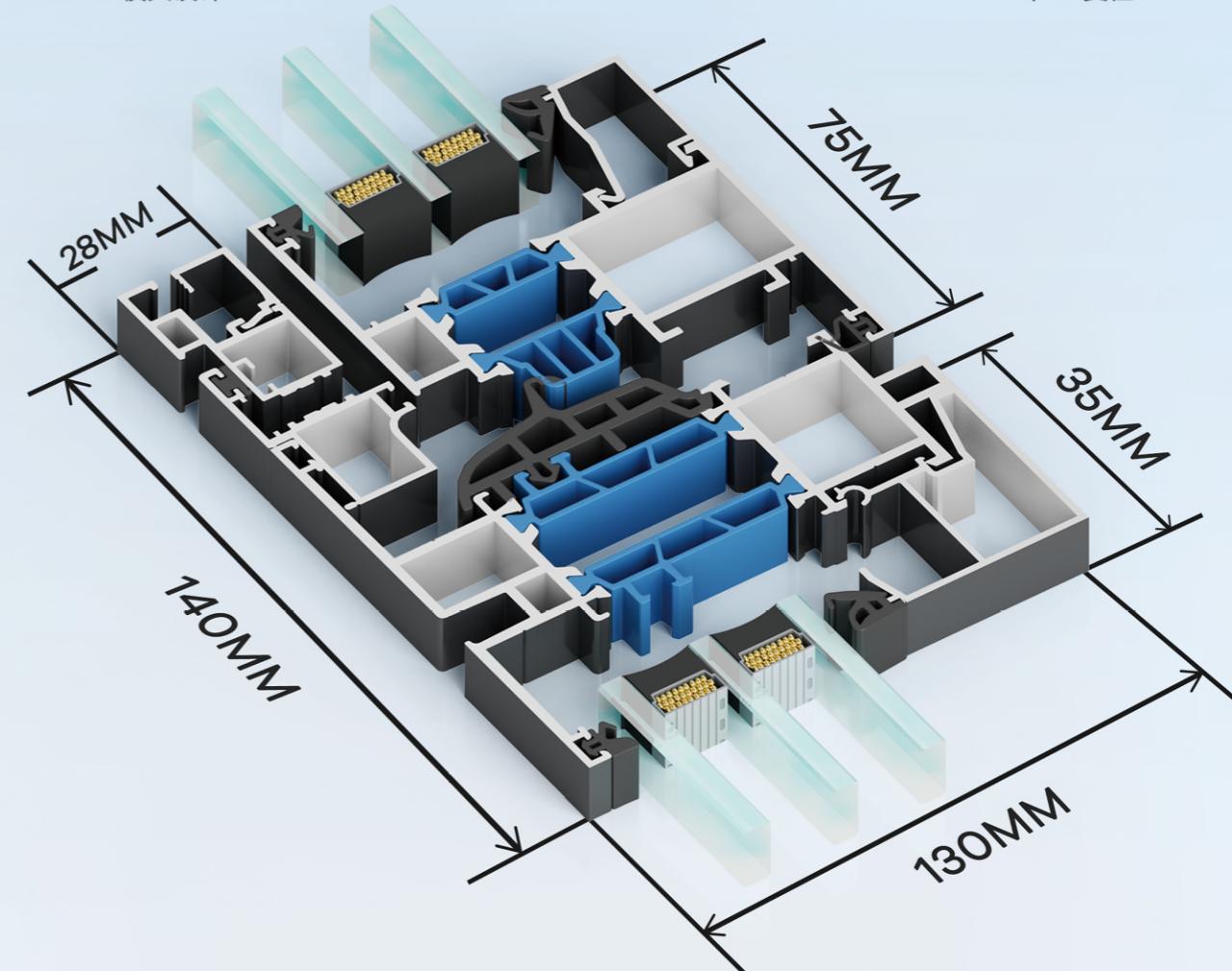
材料测试  
工艺质量测试  
新产品设计研发  
产品测试分析  
流道工艺设计  
质量验证  
模具设计



物流质量管理  
客户现场质量检测  
第三方检查  
客户质量反馈总结



原材料采购质量管理  
生产现场质量管理  
质检抽样  
检测中心全面检测  
包装质量检测  
激光打标  
产品复检



## Botag Assist in low-carbon living

节能减排 绿色未来

宝泰隔热条，助力节能减排，守护绿色家园，为低碳生活贡献力量。

选择宝泰，选择绿色建筑未来。



## Storage of pa66 insulation strips

PA66 隔热条的储存

储存条件：建议储存在通风、干燥环境中，水平放置，远离热源，避免重压，弯曲程度最小化，同时避免与酸、碱及有机溶剂接触。由于 PA66 是亲水性的物质，它会逐渐从周围环境中吸收水分。吸水的速度与吸水量，取决于下列因素：

夏季，天气的温度和相对湿度比较高，即使短期存放，隔热条吸收的水分也会比其他季节多。过高的含水率（超过 2%）会影响穿条的质量。单捆的隔热条被搬离货架时，有可能会扭曲变形，如果不能及时校直，将会造成永久扭曲变形。

如有任何具体问题，请与我们联系，我们很高兴为您提供相关服务。

Based on our long-term  
experience

根据我们长久经验

隔热条应被储存在温度为 15-20°C 的室内

15-20°C

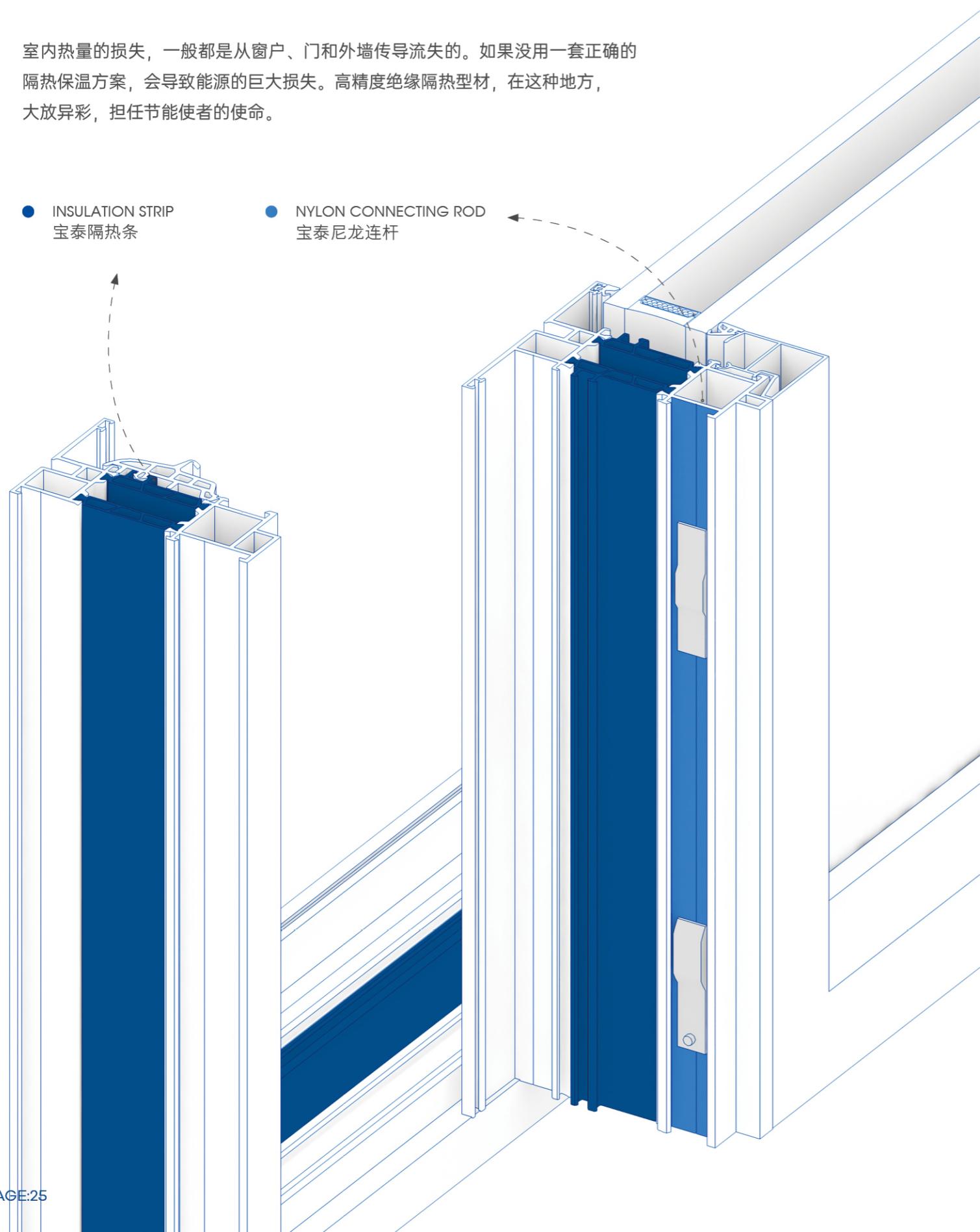


## Diversified products.

### 多样性产品

室内热量的损失，一般都是从窗户、门和外墙传导流失的。如果没用一套正确的隔热保温方案，会导致能源的巨大损失。高精度绝缘隔热型材，在这种地方，大放异彩，担任节能使者的使命。

- INSULATION STRIP  
宝泰隔热条
- NYLON CONNECTING ROD  
宝泰尼龙连杆



## Seamless welding special insulation strip.

### 无缝焊接专用隔热条

#### 超耐高温

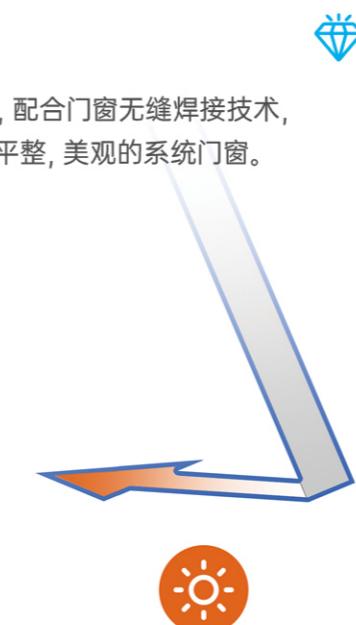


当温度过高时，隔热条内部分子结构不稳定，会在表面产生气泡，无缝焊接专用隔热条具有优异的耐高温性能，保证隔热条表面不起气泡。

#### 高颜值



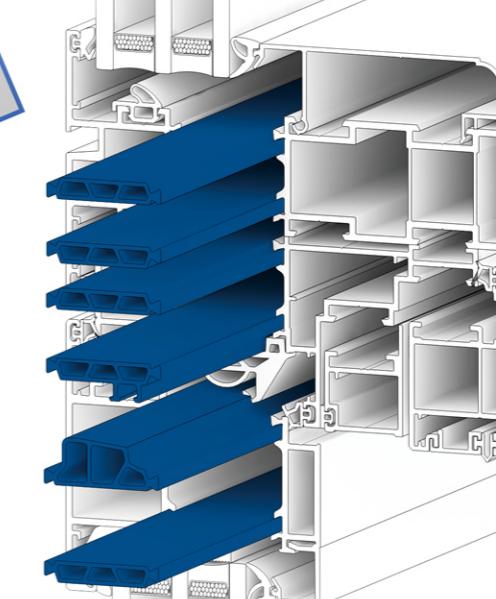
耐高温隔热条，配合门窗无缝焊接技术，可生产出高度平整，美观的系统门窗。



#### 低收缩率



宝泰无缝焊接专用隔热条，穿条后高温表面处理后，收缩率 $\leq 0.08\%$ 。



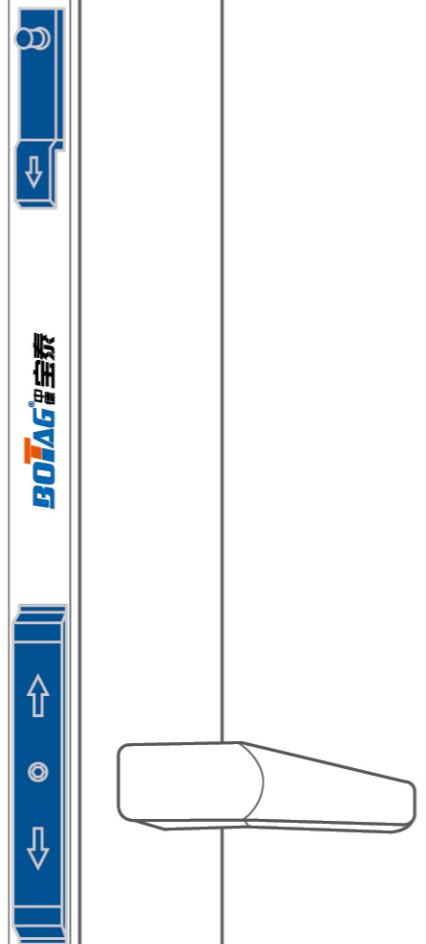
## Our Product - Polyamide Operating Rod

### 尼龙连杆轻松消除开窗噪音

精密挤压工艺，采用经过 25% 玻璃纤维强化的尼龙 66，生产出极其光滑且棱角分明的高品质尼龙连杆。

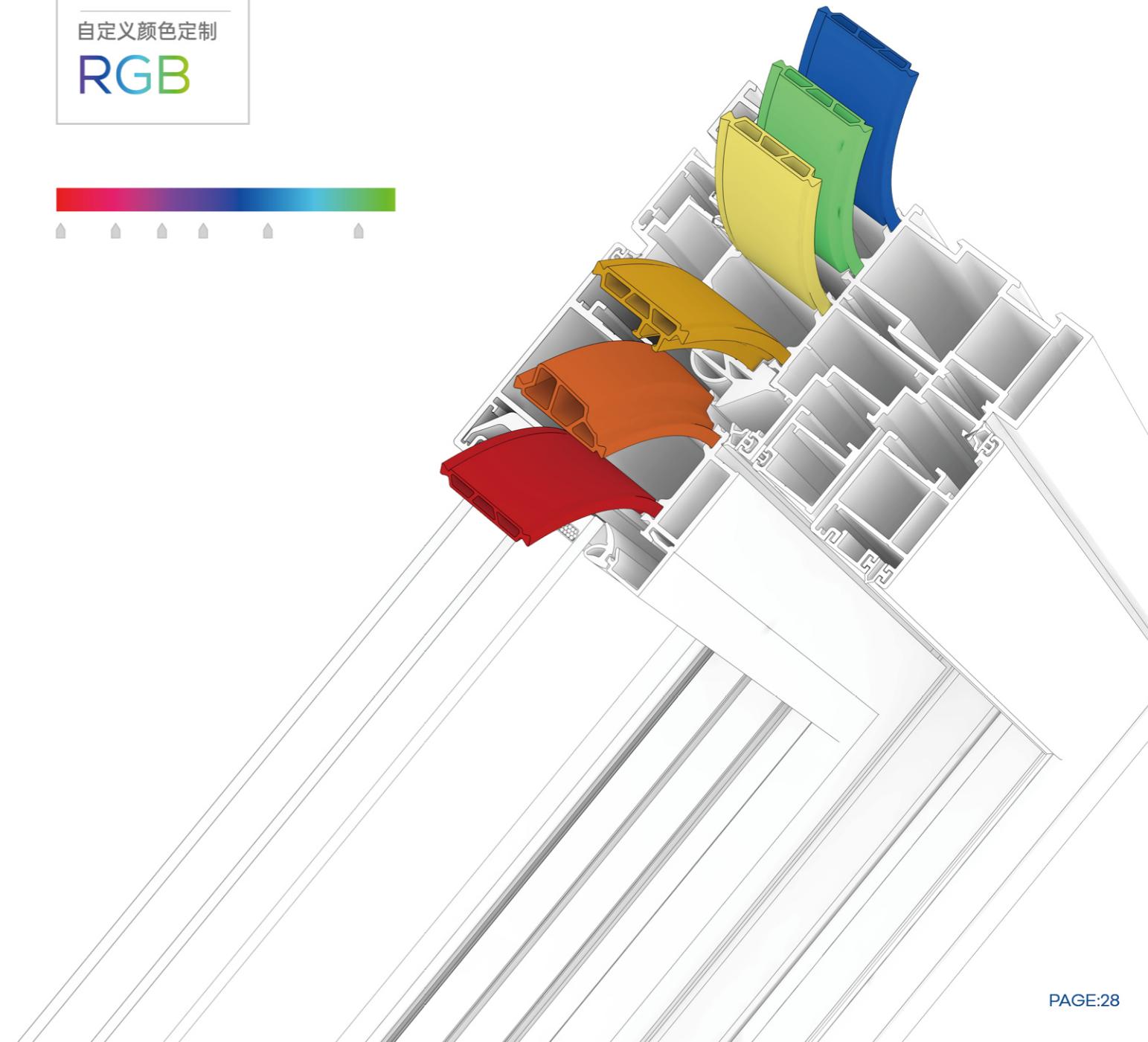


- 出色的耐磨性和滑动性能，可以使铝门窗五金开启更灵活、更轻便；
- 有效降低铝门窗开启时的噪音，减少金属之间的摩擦；
- 良好的抗冲击性和耐压性，确保在门窗寿命的正常使用；



## Customized color insulation strips 彩色隔热条定制

彩色隔热条定制，专注于为客户提供高品质、个性化的隔热条解决方案。我们拥有丰富的经验和专业的团队，可以根据客户的需求定制各种颜色，尺寸和性能的隔热条产品。



# Customized on-demand mold opening

## 按需开模定制

深知每个项目和每个客户的独特需求。因此，我们提供按需开模定制服务，以满足您的个性化需求。



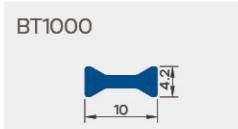
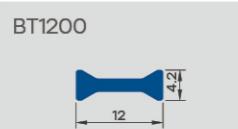
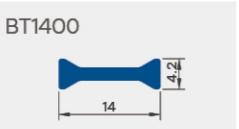
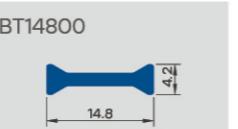
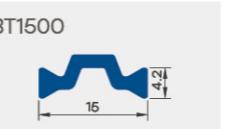
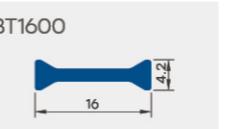
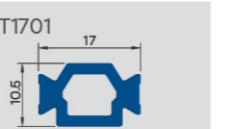
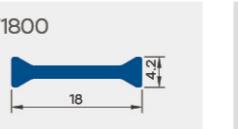
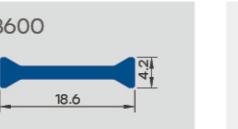
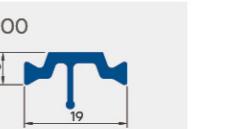
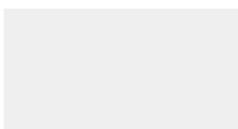
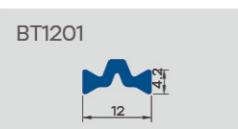
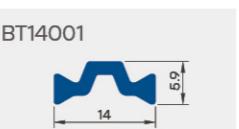
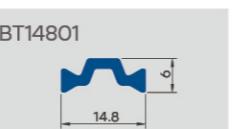
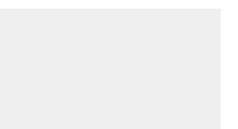
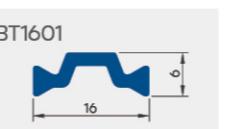
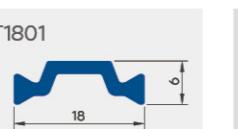
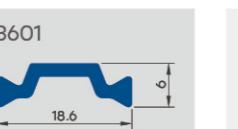
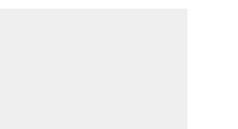
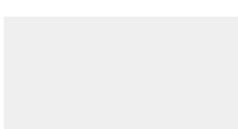
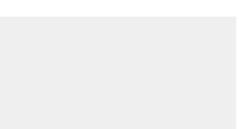
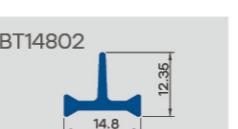
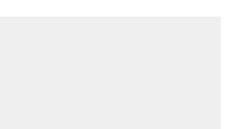
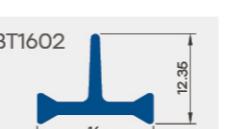
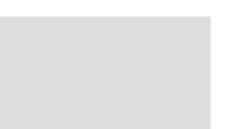
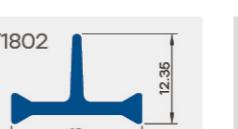
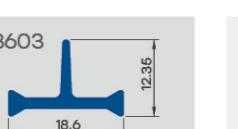
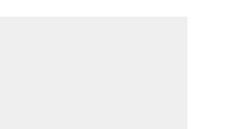
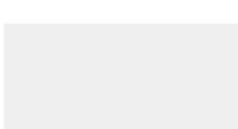
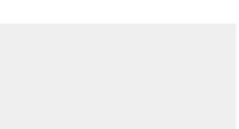
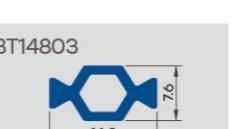
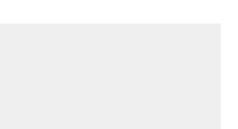
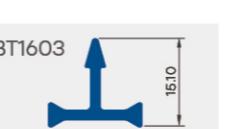
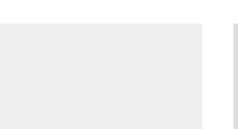
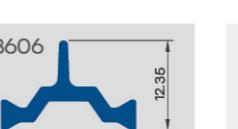
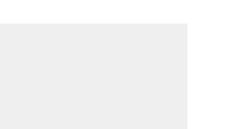
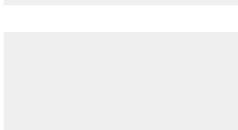
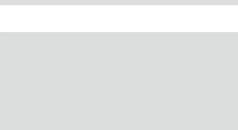
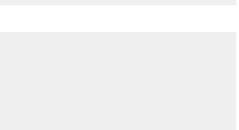
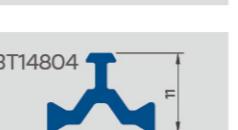
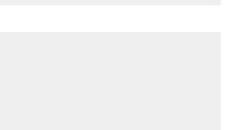
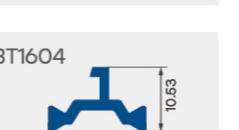
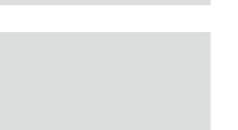
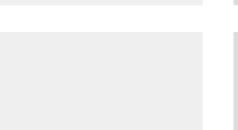
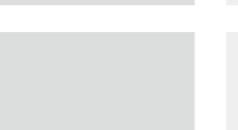
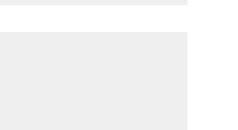
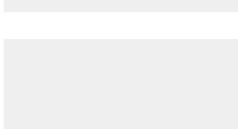
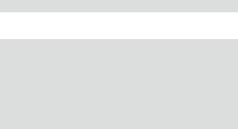
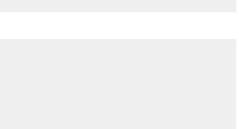
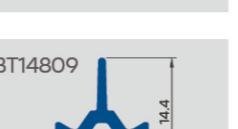
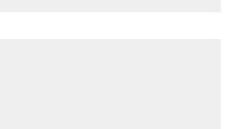
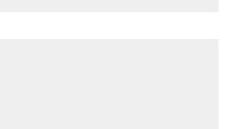
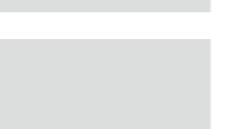
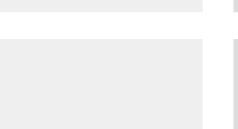
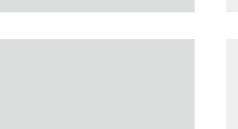
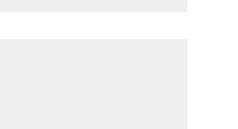
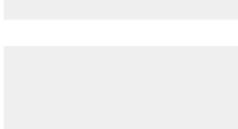
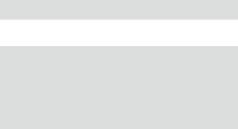
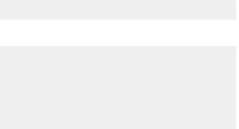
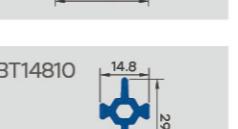
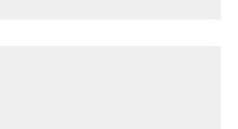
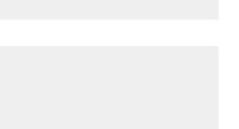
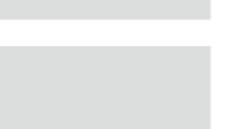
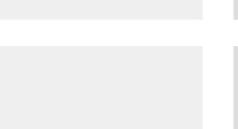
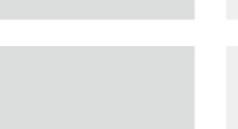
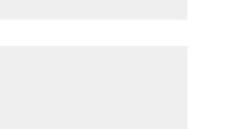
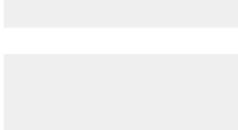
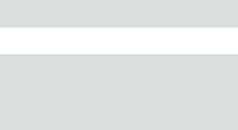
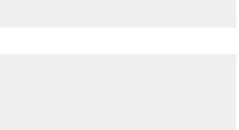
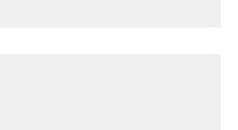
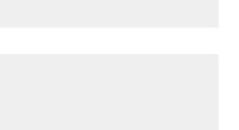
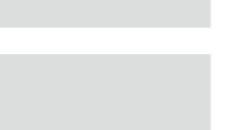
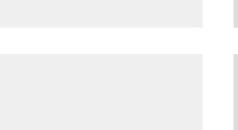
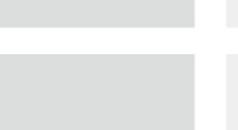
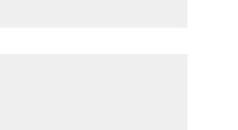
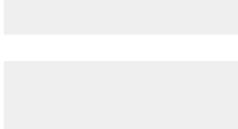
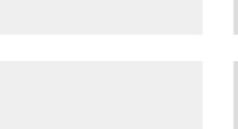
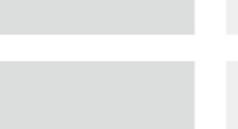
# technical support

## 技术支持



# Standard profiles.

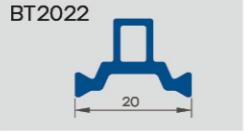
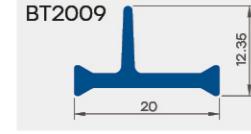
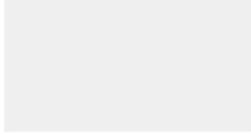
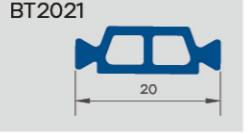
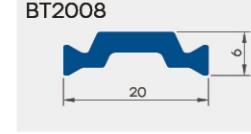
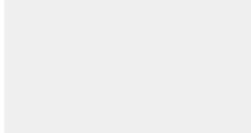
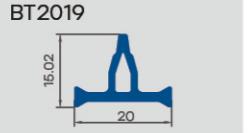
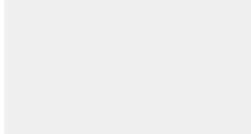
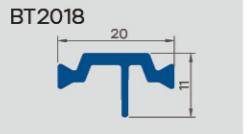
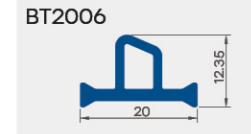
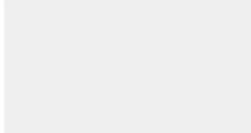
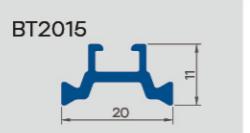
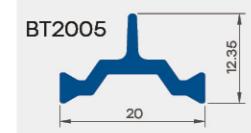
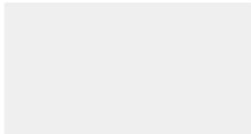
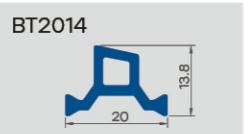
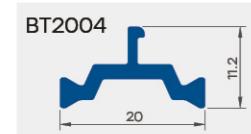
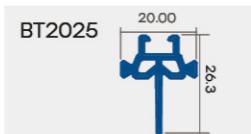
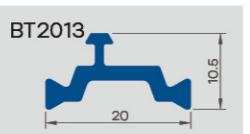
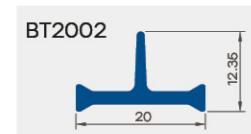
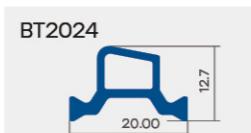
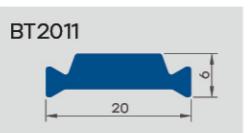
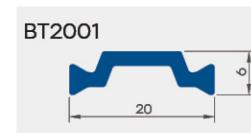
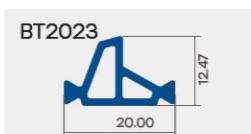
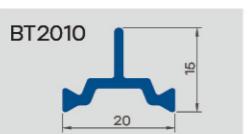
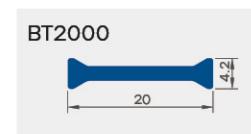
产品规格

10MM	12MM	14MM	14.8MM	15MM	16MM	17MM	18MM	18.6MM	19MM
									
									
									
									
									
									
									
									
									

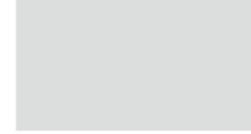
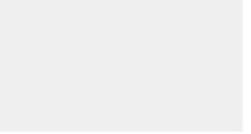
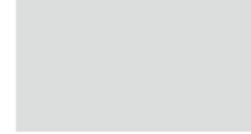
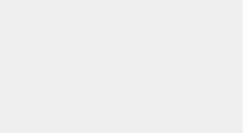
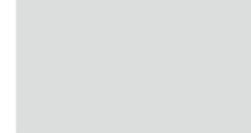
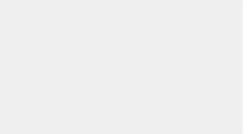
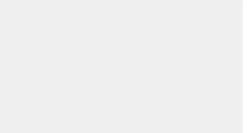
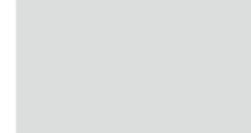
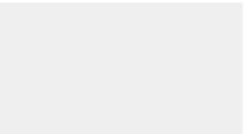
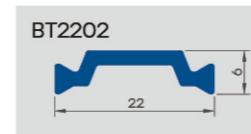
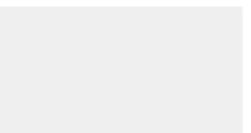
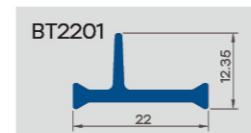
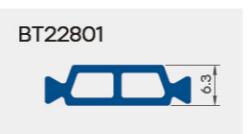
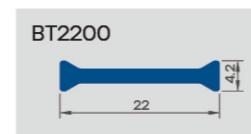
# Standard profiles.

产品规格

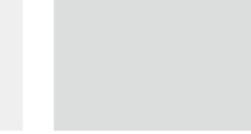
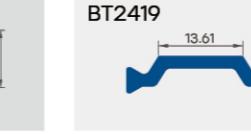
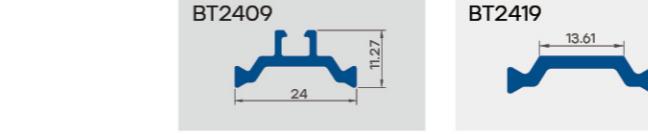
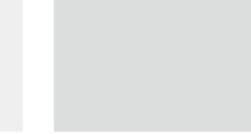
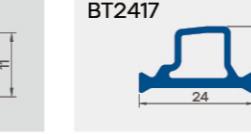
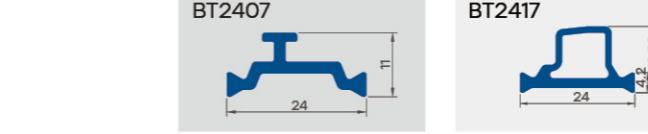
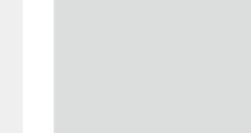
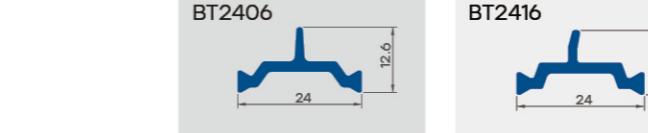
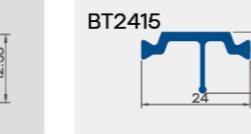
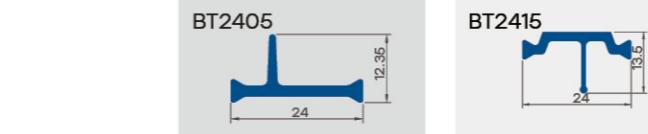
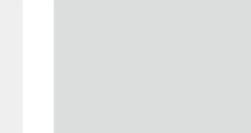
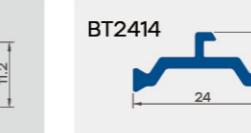
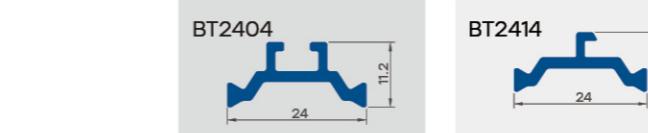
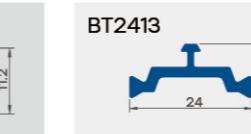
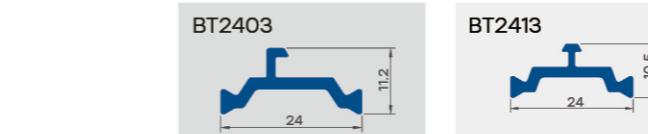
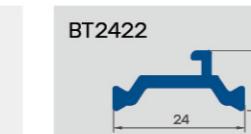
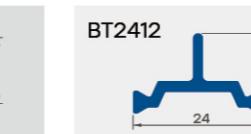
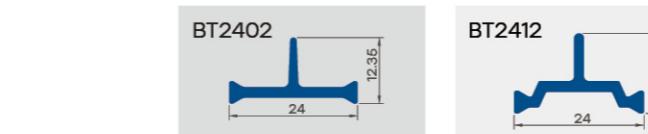
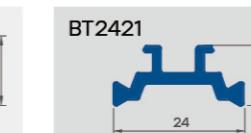
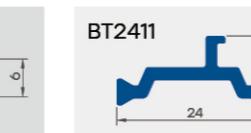
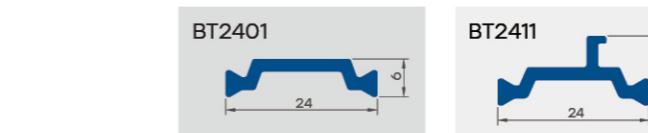
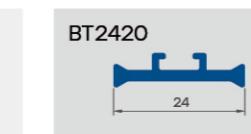
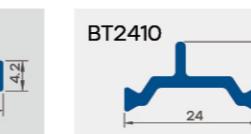
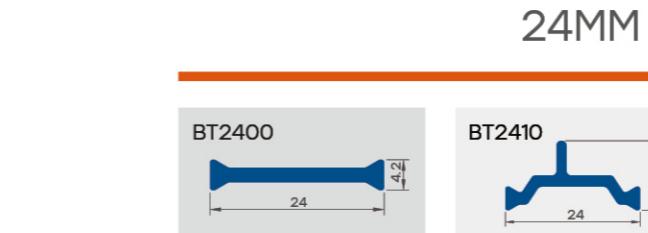
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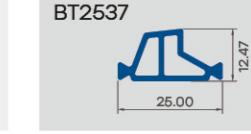
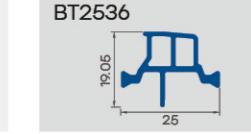
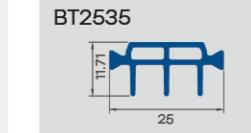
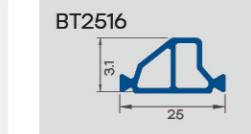
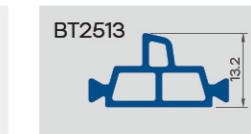
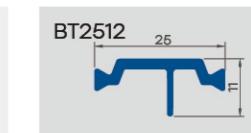
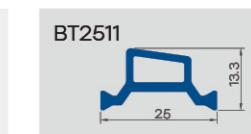
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22.8MM



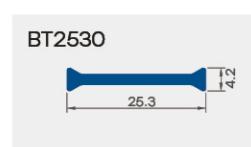
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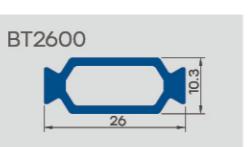
# Standard profiles.

产品规格

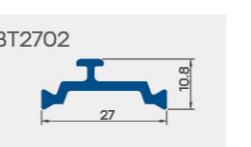
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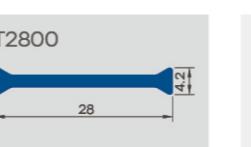
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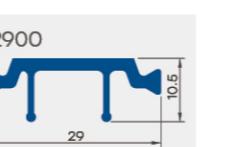
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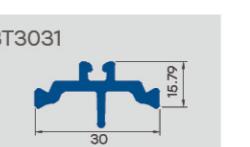
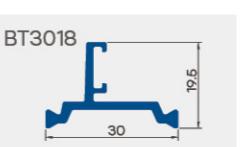
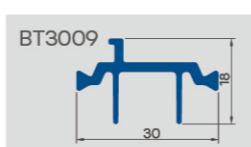
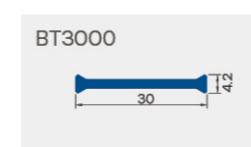
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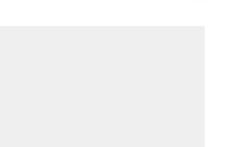
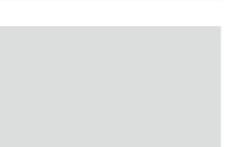
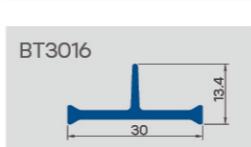
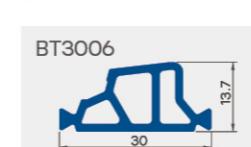
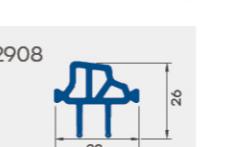
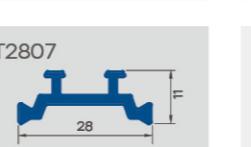
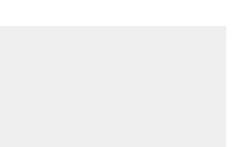
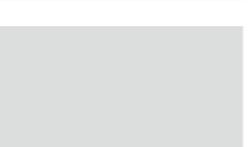
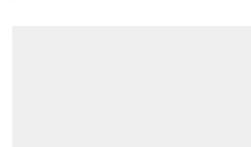
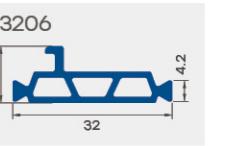
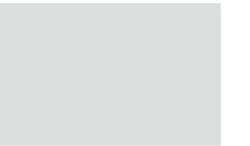
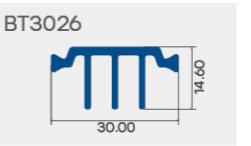
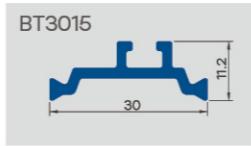
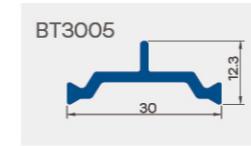
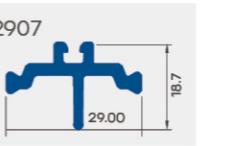
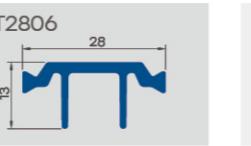
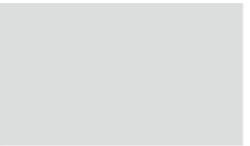
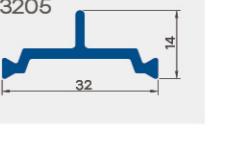
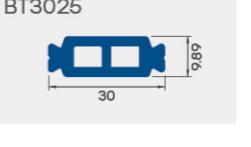
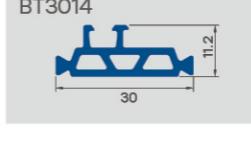
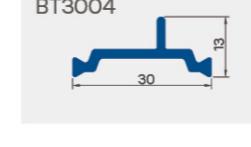
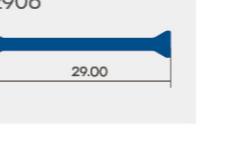
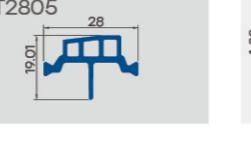
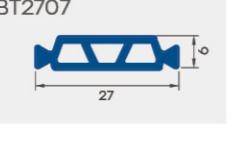
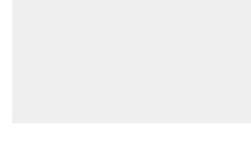
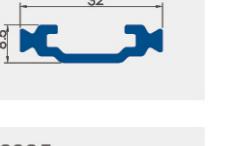
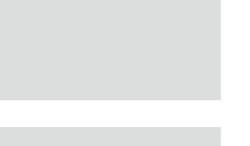
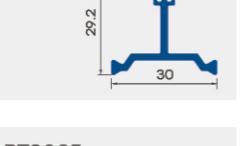
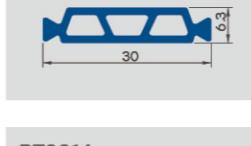
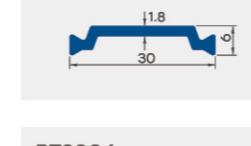
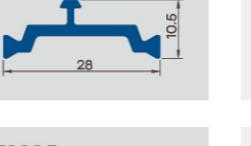
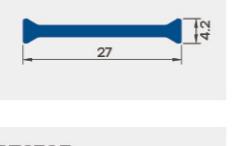
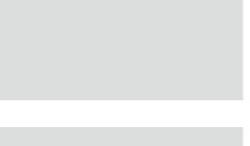
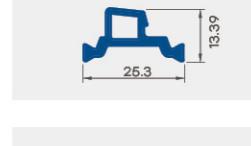
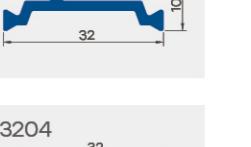
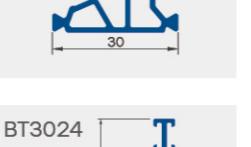
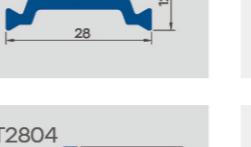
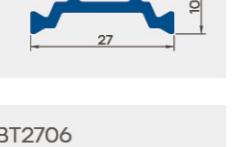
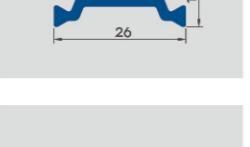
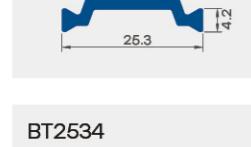
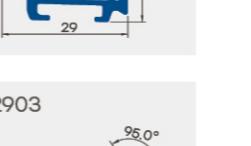
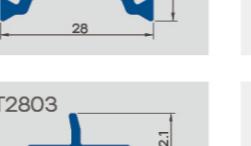
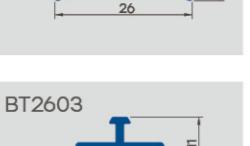
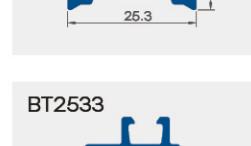
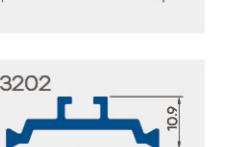
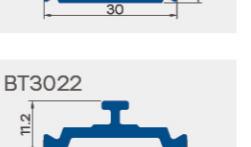
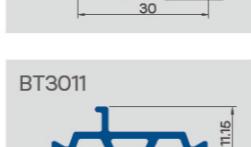
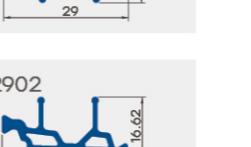
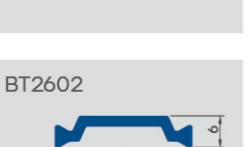
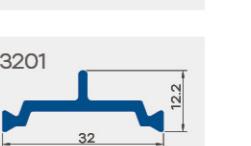
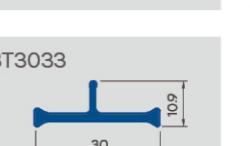
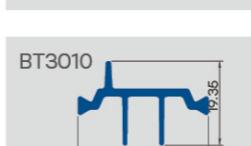
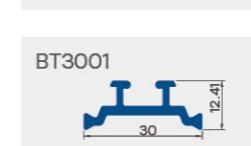
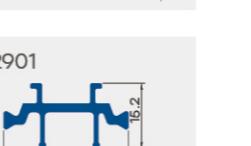
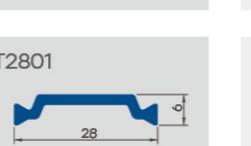
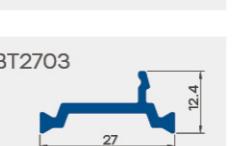
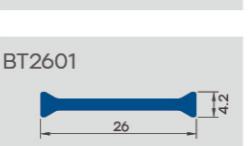
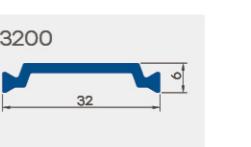
29MM



30MM

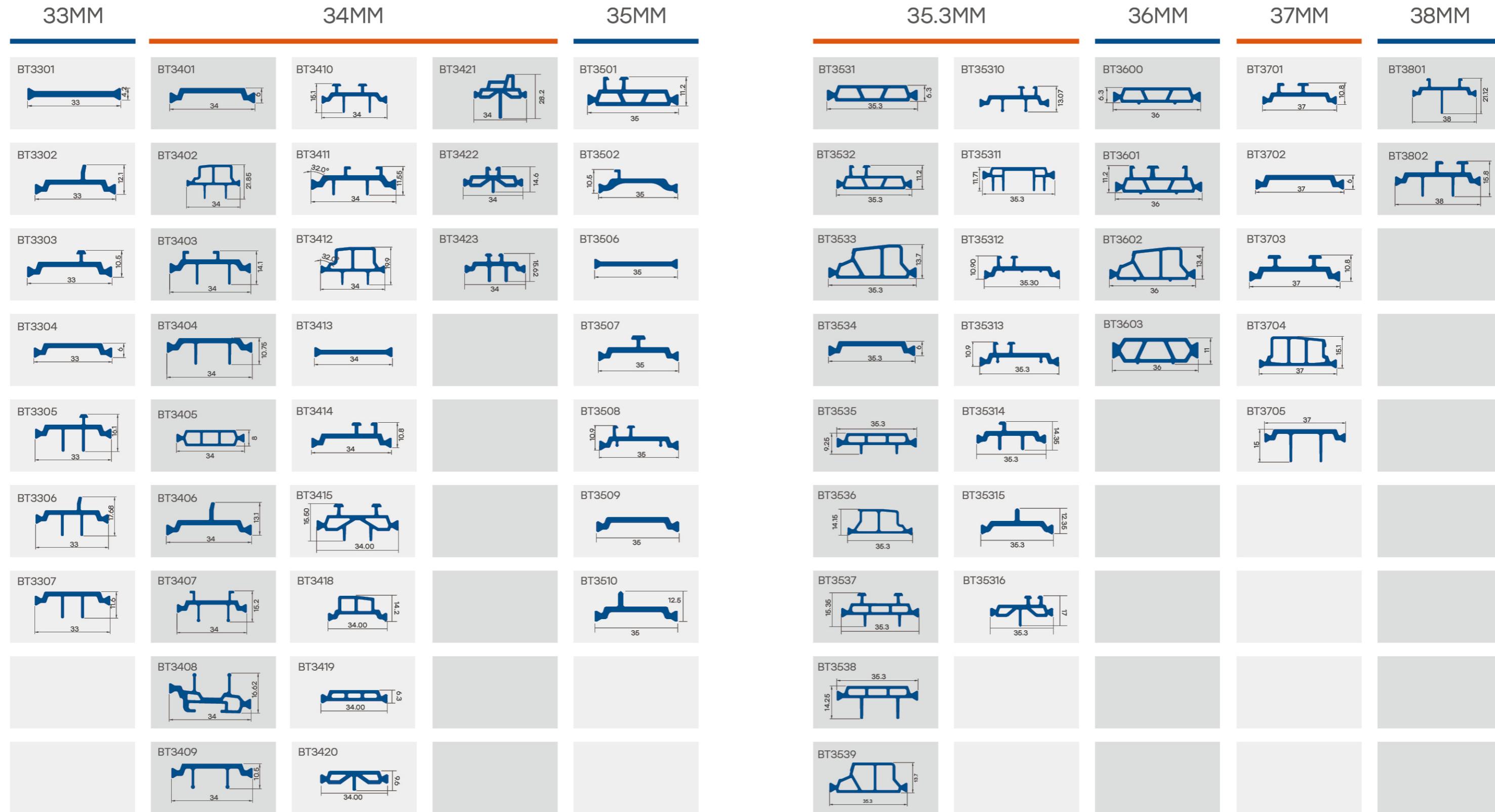


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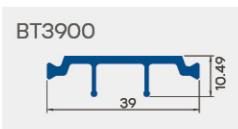
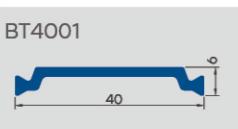
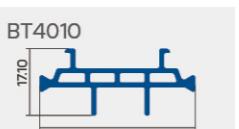
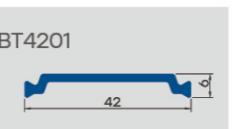
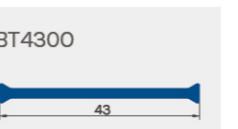
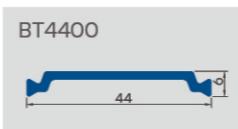
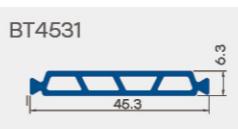
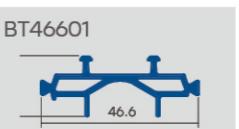
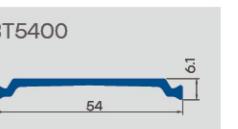
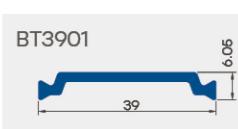
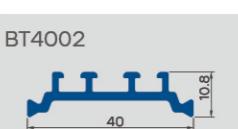
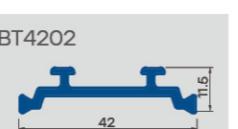
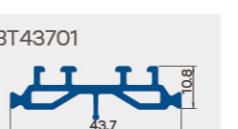
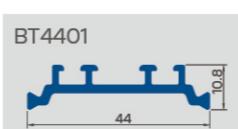
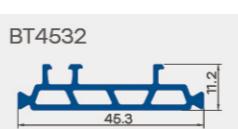
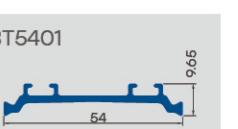
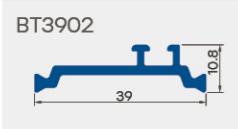
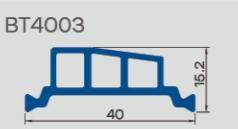
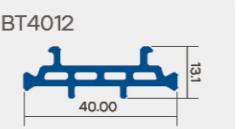
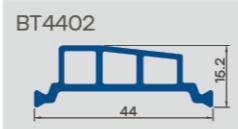
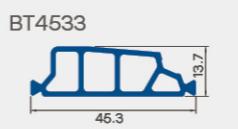
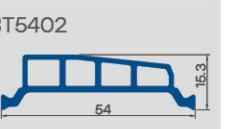
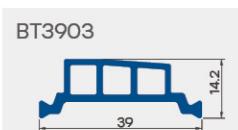
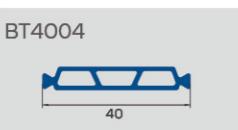
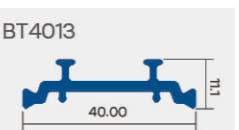
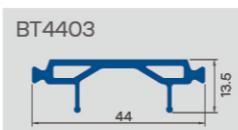
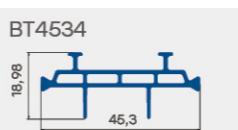
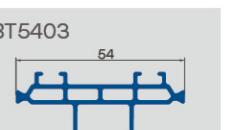
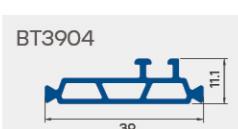
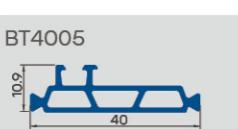
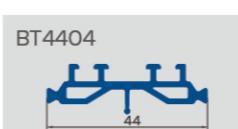
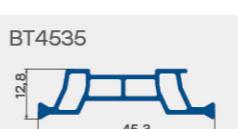
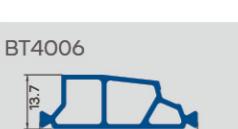
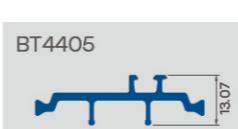
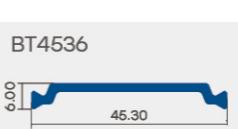
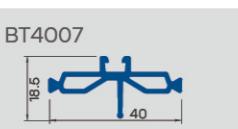
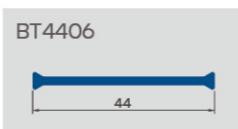
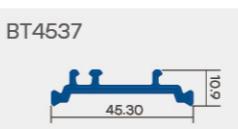
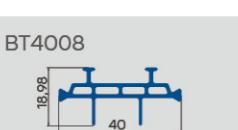
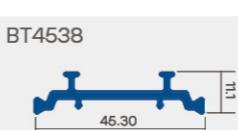
# Standard profiles.

产品规格



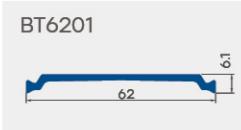
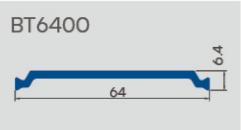
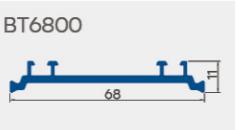
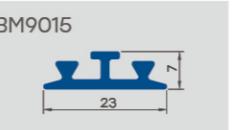
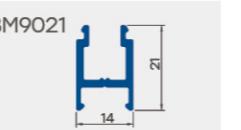
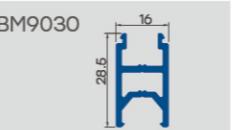
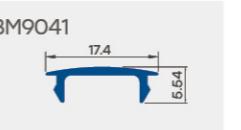
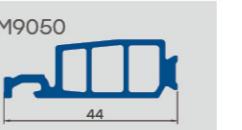
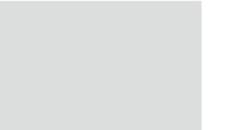
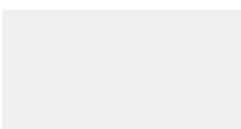
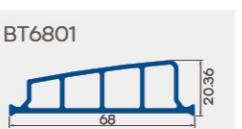
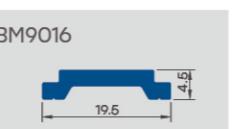
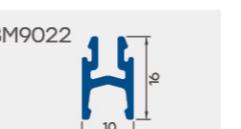
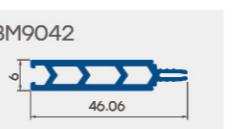
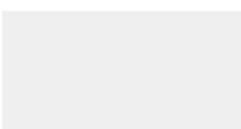
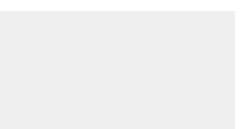
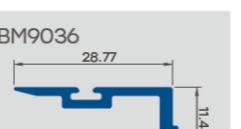
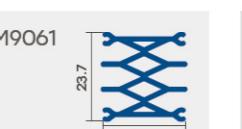
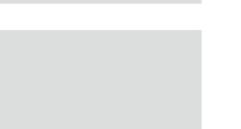
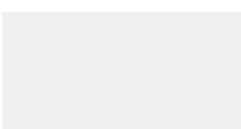
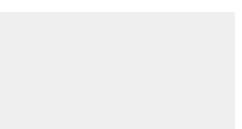
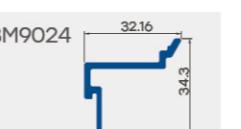
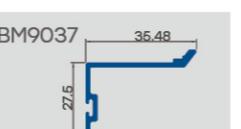
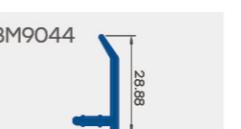
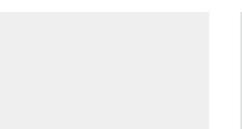
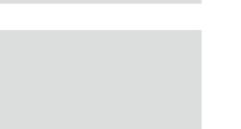
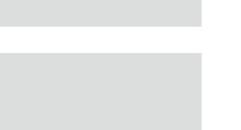
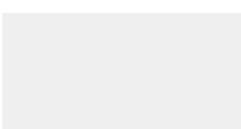
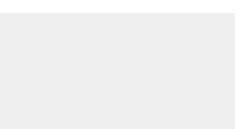
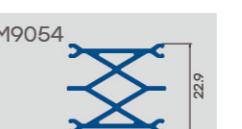
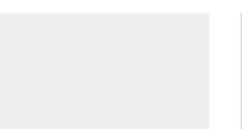
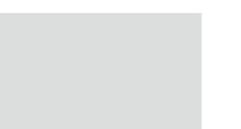
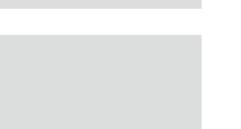
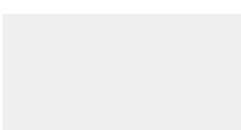
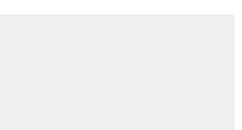
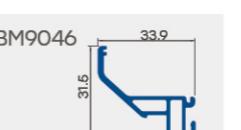
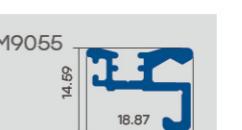
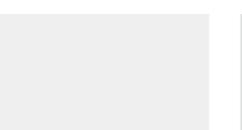
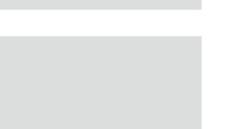
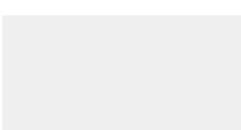
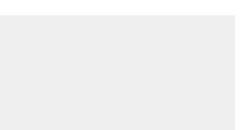
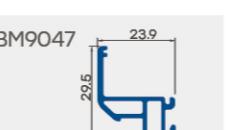
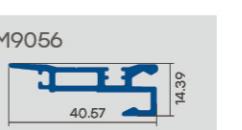
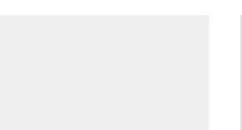
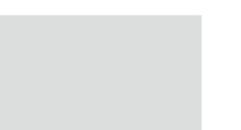
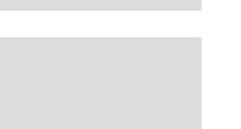
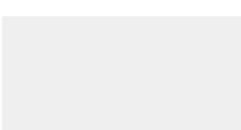
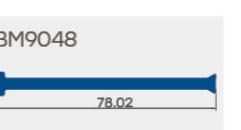
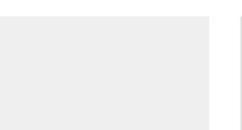
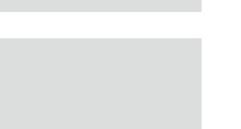
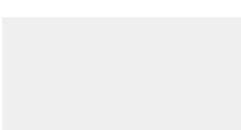
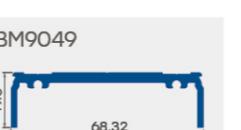
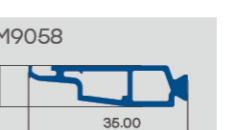
# Standard profiles.

产品规格

39MM	40MM	42MM	43MM	44MM	45.3MM	46MM	53MM	54MM
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 BT3901	 BT4002	 BT4011	 BT4202	 BT43701	 BT4401	 BT4532	 BT5301	 BT5401
 BT3902	 BT4003	 BT4012			 BT4402	 BT4533		 BT5402
 BT3903	 BT4004	 BT4013			 BT4403	 BT4534		 BT5403
 BT3904	 BT4005				 BT4404	 BT4535		
	 BT4006				 BT4405	 BT4536		
	 BT4007				 BT4406	 BT4537		
	 BT4008					 BT4538		
	 BT4009							

# Standard profiles.

## 产品规格

62MM	64MM	68MM	幕墙-1	幕墙-2	幕墙-3	幕墙-4	幕墙-5	幕墙-6	幕墙-7
 BT6201	 BT6400	 BT6800	 BM9015	 BM9021	 BM9030	 BM9041	 BM9050	 BM9059	
 BT6401	 BT6801	 BM9016	 BM9022	 BM9031	 BM9042	 BM9051	 BM9060		
 BT6402	 BM9017	 BM9023	 BM9036	 BM9043	 BM9052	 BM9061			
 BT6403	 BM9018	 BM9024	 BM9037	 BM9044	 BM9053	 BM9061			
 BM9019	 BM9025	 BM9045	 BM9054	 BM9061					
 BM9020	 BM9026	 BM9046	 BM9055	 BM9061					
 BM9027	 BM9028	 BM9047	 BM9056	 BM9061					
 BM9029		 BM9048	 BM9057	 BM9061					
			 BM9029	 BM9049	 BM9058				

# Take you to learn about engineering cases.

带您了解工程案例（部分）



- 玉兰花园
- 贵阳未来方舟世贸中心
- 沈阳盛京广场
- 中国佛学院校舍
- 中粮前滩海景壹号
- 万科纺织科研实验楼
- 山东理工大学
- 中关村生命科学园
- 融金时代广场
- 新浪集团总部大厦

北京紫光股份有限公司紫光大楼

唐山合生观唐帝景展示中心

青岛国际友城商品交易展示中心

青岛新机场

华远华时代

中国国家话剧院

美国驻华大使馆

成都新都苏宁易购广场

大连·裕景

北京万达广场

中关村科技园区丰台园

CCTV 大厦

国家会议中心·北京

北京会议中心

贵州未来方舟世贸中心

中海·华山珑城



# Enterprise Honor Certificate

## 企业荣誉证书（部分）



凭借专业能力，我们 10 多年来一直走在门窗节能设计创新的最前沿。拥有 50+ 项的产品专利，制造出引领市场潮流的新型节能材料，以更好的满足消费者的需求。

# Collaborative strategic partners.

## 宝泰合作战略伙伴（部分）



宝泰长期以稳定的产品质量，高效的生产速度，严谨的研发团队，优秀的售后团队等支持服务。赢得众多地产项目 铝材企业门窗公司的一致信赖。