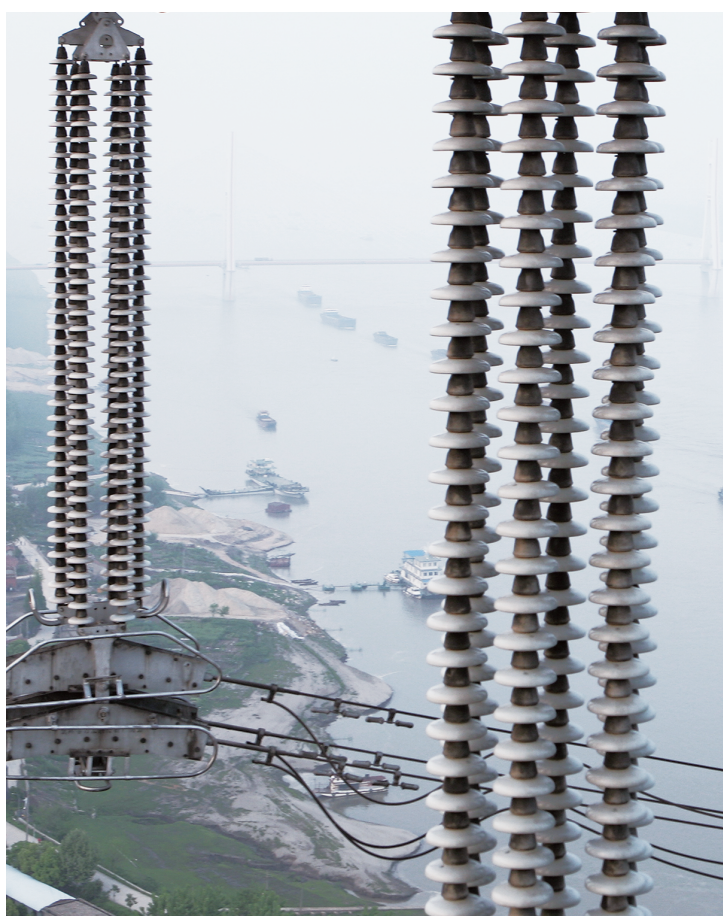


# 连续型材用玻璃纤维产品

*FIBERGLASS PRODUCTS FOR  
CONTINUOUS PROFILES*





## 拉挤成型工艺

拉挤用玻璃纤维无捻粗纱

## 连续板材成型工艺

透明板材用无碱玻璃纤维合股无捻粗纱  
无碱玻璃纤维粉剂短切原丝毡

## Pultrusion Processv

*Rovings for Pultrusion*

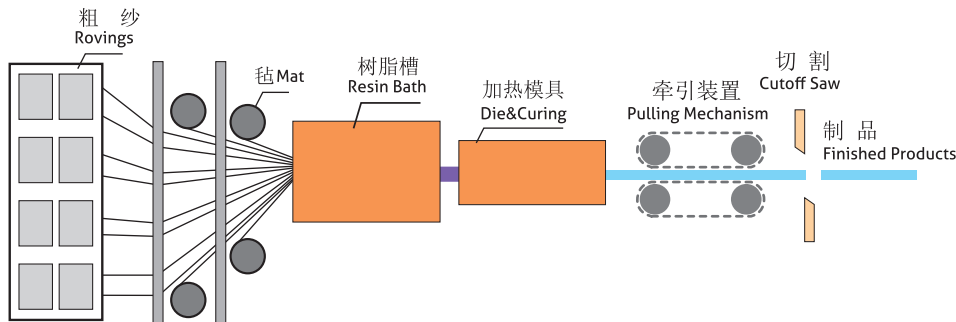
## Continuous Panel Molding Process

*Assembled Panel Rovings*

*Powder Chopped Strand Mats*

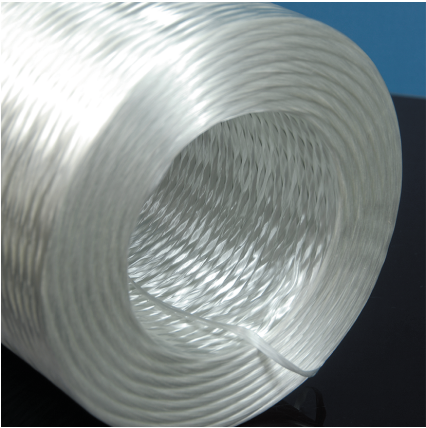
# 拉挤成型工艺

将粗纱和毡在牵引设备的牵引作用下经过树脂槽浸渍，然后进入到加热模具中固化，经过切割形成最终制品。



# Pultrusion Process

The rovings, mats or other fabrics are pulled through a resin impregnation bath and then into a heated die using a continuous pulling device. The final products are formed under high temperature and high pressure conditions.



## 拉挤用玻璃纤维无捻粗纱

拉挤用玻璃纤维无捻粗纱主要适用于增强聚酯树脂、环氧树脂、酚醛树脂、聚氨酯树脂、乙烯基树脂等，制品可广泛应用于建筑、通讯、电绝缘等各个领域。

## Rovings for Pultrusion

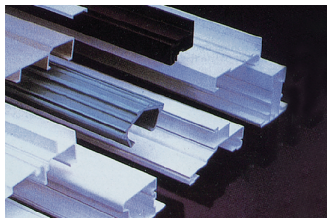
Rovings for Pultrusion are compatible with UP, EP , VE and PF resins and widely used in building & construction, telecommunication and insulation industries.

## 拉挤成型工艺的终端应用市场

运动休闲 / 消费品与商业设备 / 基础设施 / 汽车、卡车 / 电子电气和电信

## End-Use Markets

Sports and Leisure / Consumer Goods and Business Equipment / Infrastructure / Automotive / Electrical and Electronics





产品牌号 Product Code	产品详情 Details	典型线密度 Nominal Linear Density (tex)	产品特点 Product Features	适用树脂 Resin Compatibility	典型应用 Typical Applications
276		2400, 4800, 9600	合股纱, 低单纤维直径, 与树脂相容性好, 浸透快而完全, 制品机械性能优异 <i>Assembled roving, low filament diameter, good compatibility with resin, fast and complete wet-out, excellent mechanical properties</i>	聚酯树脂 UP	户外运动器材拉挤型材 <i>Pultrusion profiles for outdoor sports equipment</i>
310H		2400, 4800 9600, 19200	合股纱, 与环氧树脂相容性好, 浸透快而完全, 制品电绝缘性能和机械性能优异 <i>Assembled roving, good compatibility with resin, fast and complete wet-out, excellent electrical insulation and mechanical properties</i>	环氧树脂 EP	电绝缘芯棒 <i>Electrical insulation rods</i>
312		4400, 4800 8800, 9600	树脂相容性好, 浸透快而完全 <i>Good compatibility with resin, fast and complete penetration</i>	聚酯树脂, 环氧树脂 乙烯基树脂 UP, EP, VE	拉挤型材 <i>Pultrusion profiles</i>
312T		4400, 4800 8800, 9600	直接纱, 与树脂相容性好, 制品机械性能优异 <i>Direct roving, good compatibility with resins, excellent mechanical properties of composite products</i>	聚酯树脂, 酚醛树脂 聚氨酯树脂, 环氧树脂 乙烯基树脂 UP, PF, PU, EP, VE	抽油杆、高端拉挤型材 <i>Sucker rod, high end pultrusion profiles</i>
314		2400, 4400, 4800 9600, 19200	毛羽少, 与多种类型树脂兼容性好, 制品直线度高、机械性能优异性 <i>Low fuzz, compatible with multi-resin, high straightness and excellent mechanical properties of parts</i>	聚酯树脂 聚氨酯树脂, 环氧树脂 乙烯基树脂 UP, PU, EP, VE	管道 <i>Pipes</i>
316H		300, 600, 1200	直接纱, 与基体树脂相容性好, 制品拉伸强度高 <i>Direct roving, compatible with matrix resin, high tensile strength of composite products</i>	聚酯树脂, 环氧树脂 乙烯基树脂 UP, EP, VE	光缆加强芯 <i>Optic cables</i>
332		2400, 4800, 9600	直接纱, 毛羽少, 与聚氨酯树脂结合性好, 浸透效果佳, 制品机械性能优异 <i>Direct roving, low fuzz, good compatibility with polyurethane resin, good wet-out, excellent mechanical properties</i>	聚氨酯树脂 PU	各种型材, 风电大梁等 <i>Various sectional bars, telegraph pole, etc</i>
386T		600, 735, 1200 2400, 4800	直接纱, 与树脂相容性好, 浸透速度快, 制品机械强度高 <i>Direct roving, compatible with matrix resin, fast wet-out, excellent mechanical properties of composite products</i>	聚酯树脂, 环氧树脂 乙烯基树脂 UP, EP, VE	各种型材及光缆加强芯 <i>Various sectional bars and optic cables</i>
386H		600, 735, 1200 2400, 4800, 9600	直接纱, 纱质柔软, 与树脂相容性好, 浸透速度快, 制品机械性能优异 <i>Direct roving, soft strand, good compatibility with resin, fast wet-out, excellent mechanical properties</i>	聚酯树脂, 环氧树脂 乙烯基树脂 UP, EP, VE	各种型材 <i>Various sectional bars</i>

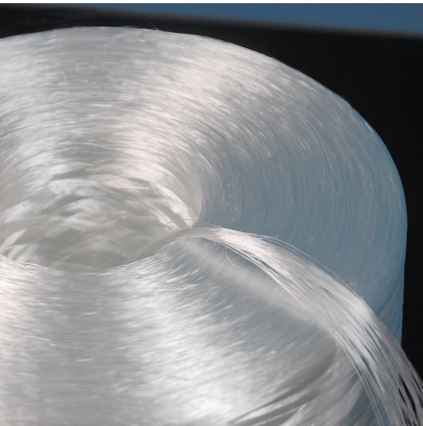
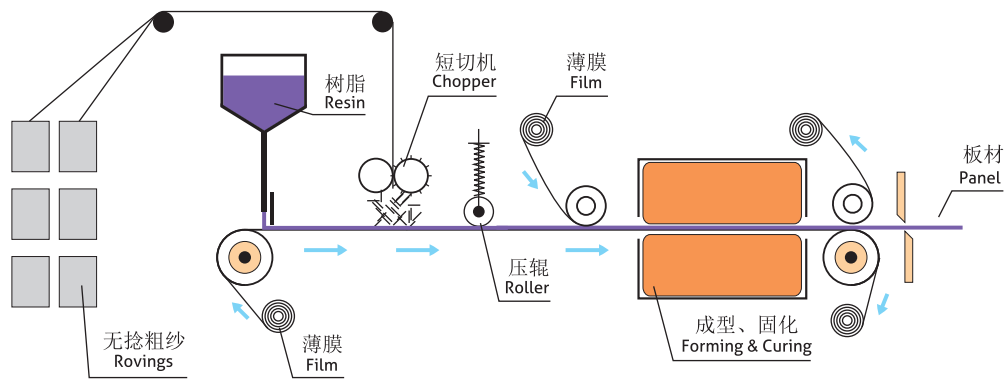


# 连续板材成型工艺

将配制好的树脂涂覆到匀速运行的薄膜上，通过刮刀来控制树脂的厚度，再将短切的玻璃纤维原丝均匀分布到树脂上，经过浸渍后将上膜覆盖在树脂糊上，进入一定温度和装有模具的烘箱进行固化和成形。

# Continuous Panel Molding Process

A resin mix is uniformly deposited in a controlled amount onto a moving film at a constant speed. The thickness of the resin is controlled by the draw-knife. Fiberglass roving is chopped and uniformly distributed onto the resin. Then a top film is applied forming a sandwich structure. The wet assembly travels through a curing oven to form the composite panel.






## 透明板材用无碱玻璃纤维合股无捻粗纱

透明板材用无碱玻璃纤维合股无捻粗纱经涂覆硅烷基浸润剂，适用于不饱和聚酯树脂、亚克力树脂，具有良好的短切性和分散性，能在树脂中快速彻底浸透。

## Assembled Panel Rovings

Assembled Panel Rovings are coated with a silane-based sizing and compatible with UP and acrylic resins. They can fast wet-out in resin and deliver excellent dispersion after chopping.

产品牌号 Product Code	产品详情 Details	典型线密度 Nominal Linear Density (tex)	产品特点 Product Features	适用树脂 Resin Compatibility	典型应用 Typical Applications
838		2400 3200 4800	低静电，浸透快，无白丝 <i>Low static, fast wet-out, no white fibers</i>	不饱和聚酯树脂 <i>UP</i>	通用型透明FRP板材 <i>General purpose transparent FRP panels</i>
872			浸透极快，无白丝，透明度高 <i>Extremely fast wet-out, no white fibers, superior transparency</i>	不饱和聚酯树脂 亚克力树脂 <i>UP, PM, MA</i>	透明性要求苛刻的FRP板材 <i>High transparency FRP panels</i>
872S			低静电，浸透适中， 在低张力下短切分散性优良 <i>Low static, moderate wet-out, excellent dispersion after chopping under low tension</i>	不饱和聚酯树脂 亚克力树脂 <i>UP, PM, MA</i>	半透明和不透明FRP板材 <i>Semitransparent and opaque FRP panels</i>





### 无碱玻璃纤维粉剂短切原丝毡

无碱玻璃纤维粉剂短切原丝毡是由玻璃纤维原丝经短切后，随机无定向均匀平铺，然后用粉剂粘结剂粘结在一起而制成的片状毡片。可适用于增强不饱和聚酯、乙烯基树脂、环氧树脂和酚醛树脂等。产品幅宽范围200mm~3120mm，可根据客户的使用要求和习惯，提供不同浸透和分解时间要求的产品。

### Powder Chopped Strand Mats

*Powder Chopped Strand Mats are made of randomly distributed chopped strands held together by a powder binder. They are compatible with UP, VE, EP and PF resins. The roll width ranges from 200mm to 3,120mm. Additional demands on wet-out and decomposition time may be available upon request.*

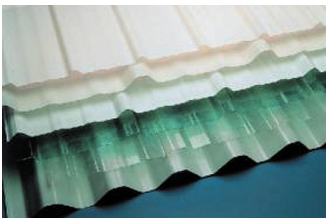
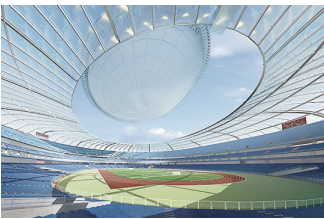
产品牌号 Product Code	产品详情 Details	单位面积克重 Area Weight (g/m <sup>2</sup> )	典型幅宽 Typical Width (mm)	适用树脂 Resin Compatibility	产品特点 Product Features
P02		225, 300 450, 600	1040, 1270	不饱和聚酯树脂 乙烯基树脂 环氧树脂 UP, VE, EP	拉伸强度高, 工艺性能好, 适用于生产半透明或不透明FRP板 <i>High tensile strength, good processing, suitable for use in semitransparent and opaque FRP panels</i>
P30		225, 300, 450 600, 900	1040, 1270	不饱和聚酯树脂 乙烯基树脂 环氧树脂 UP, VE, EP	浸透速度快 适用于生产透明性要求高的板材 <i>Fast wet-out, suitable for use in high translucent panels</i>

### 连续板材成型工艺的终端应用市场

建筑、建材、汽车、农牧业、顶棚、采光板等

### End-Use Markets

Building and Construction / Automotive / Agriculture / Fibreglass Reinforced Polyester



开模成型用玻璃纤维产品 Fiberglass Products for Open Molding	喷射成型工艺 Spray-up Process
	手糊成型工艺 Hand Lay-up Process
管道成型用玻璃纤维产品 Fiberglass Products for Pipes	缠绕成型工艺 Filament Winding Process
	离心浇铸成型工艺 Centrifugal Casting Process
模压成型用玻璃纤维产品 Fiberglass Products for Compression Molding	SMC成型工艺 SMC Process
	BMC成型工艺 BMC Process
	LFI工艺 LFI Process
连续型材用玻璃纤维产品 Fiberglass Products for Continuous Profiles	拉挤成型工艺 Pultrusion Process
	连续板材成型工艺 Continuous Panel Molding Process
热塑性塑料用玻璃纤维产品 Fiberglass Products for Thermoplastics	挤出与注塑工艺 Extrusion and Injection Processes
	LFT成型工艺 LFT Process
	GMT成型工艺 GMT Process
	CFRT成型工艺 CFRT Process
其它玻璃纤维产品 Fiberglass Products for Other Processes	膨化工艺 Texturizing Process
	增强石膏工艺 Reinforcements for Gypsum
	汽车顶棚成型工艺 Automotive Headliner Molding Process
布毡用玻璃纤维产品 Fiberglass Products for Fabrics and Mats	编织工艺 Weaving Process
	制毡工艺 Mat Production Process
玻璃纤维制品 Fiberglass Mats and Woven Rovings	制毡工艺 Mat Production Process
	编织工艺 Weaving Process
高性能复合纤维 High Performance Hybrid Fibers	模压成型 Mold Pressing
	层压板材成型 Laminate Molding
	缠绕成型 Filament Winding
	拉挤成型 Pultrusion
	真空辅助成型 Vacuum-Assisted Molding
连续型玻璃纤维布/纱 Continuous Electronic Glass Fiber Fabric and Yarn	连续型玻璃纤维布 Continuous Electronic Glass Fiber Fabric
	连续型玻璃纤维纱 Continuous Glass Fiber Yarn



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