



306A

编织&拉挤用直接无捻粗纱

Direct Roving for Weaving&Pultrusion

产品说明 Product Description

306A 为无碱直接无捻粗纱，表面涂覆硅烷基浸润剂，可兼容于聚酯、乙烯基酯、环氧树脂体系。适用于编织、拉挤等应用工艺。

306A 产品耐磨性好、低毛羽，适用于编织工艺制造土工格栅，还适用于拉挤工艺生产电缆、光缆的增强芯材。

306A Direct Roving is coated with a silane-based sizing compatible with polyester, vinyl ester, and epoxy resins. 306A is designed for use in weaving and pultrusion processes.

306A has good abrasion resistance and low fuzz, and is suitable for use in the weaving process to manufacture geo-grids. It is also suitable for use in the pultrusion process to manufacture strength members of electric and optical cables.



产品特点 Product Features

- ◎ 耐磨性好、低毛羽，使用工艺性能好
 - ◎ 可与多种树脂匹配，浸透快而完全
 - ◎ 制品的机械性能优越
 - ◎ 优异的耐酸腐蚀性
- Good wear resistance, low fuzz and good process performance
·Multi-resin compatibility, complete and fast wet-out
·Excellent mechanical properties of parts
·Excellent acid corrosion resistance

规格代号 Specification

玻璃类型 Glass type	E			
浸润剂类型 Sizing type	硅烷 Silane			
典型纤维直径 Typical filament diameter (μm)	17	20	21	24
典型线密度 Typical linear density (tex)	1200	1500	1700	2400 4800
示例 Example	EDR17-1200-306A			

技术指标 Technical Parameters

项目 Item	线密度偏差 Linear density variation (%)	含水率 Moisture content (%)	可燃物含量 Sizing content (%)	断裂强度 Breakage strength (N/tex)
检测方法 Test method	ISO 1889	ISO 3344	ISO 1887	ISO 3341
指标 Standard range	± 5 (< 600 tex) ± 4 (≥ 600 tex)	≤ 0.07	0.60 ± 0.10	≥ 0.40 (≥ 4400 tex) ≥ 0.45 (1700 ~ 4399 tex) ≥ 0.50 (< 1700 tex)

机械性能 Mechanical Properties

机械性能 Mechanical properties	单位 Unit	实验值 Value	树脂 Resin	测试方法 Test method
拉伸强度 Tensile strength	MPa	2732 / 2657	UP / EP	ASTM D2343
拉伸模量 Tensile modulus	GPa	80.1 / 81.1	UP / EP	ASTM D2343
剪切强度 Shear strength	MPa	67.0	EP	ASTM D2344
强度保留率(72小时水煮) Strength retention(72 hr boiling)	%	> 91	EP	/

以上数据为实验室针对EDR17-1200-306A产品的具体实验值，仅供参考。
The above data are actual experimental values for EDR17-1200-306A and to be used for reference only.

使用说明 Instructions

- ◎ 本产品12个月内使用最佳，使用前应保存在原包装内。
 - ◎ 产品使用时注意防护，避免产品擦毛、损伤等情况。
- The product is best used within 12 months after production, and should be kept in the original package before use.
·Care should be taken when using the product to prevent it from being scratched or damaged.



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使用说明 Instructions

◎ 使用前调理纱线的温湿度与环境温湿度平衡，使用时对环境温湿度进行适当控制。

·The temperature and humidity of the product should be conditioned to be close or equal to the ambient temperature and humidity before use, and the ambient temperature and humidity should be properly controlled during the use.

包装信息 Packaging

项目Item	单位unit	指标Index			
典型包装方式 Typical packaging method	/	采用托盘包装 Packed on pallets.			
典型纱团高度 Typical package height	mm (in)	260 (10.2)			
纱团内径 Package inner diameter	mm (in)	160 (6.3)			
典型纱团外径 Typical package outer diameter	mm (in)	275 (10.8)		305 (12.0)	
典型纱团重量 Typical package weight	kg (lb)	17 (37.5)		22 (48.5)	
层数 Number of layers	层 (layer)	3	4	3	4
每层纱团个数 Number of packages per layer	个 (ocs)	16		12	
每托纱团个数 Number of packages per pallet	个 (pcs)	48	64	36	48
每托重量 Net weight per pallet	kg (lb)	816 (1799.0)	1088 (2398.6)	792 (1746.1)	1056 (2328.1)
托盘长度 Pallet length	mm (in)	1140 (44.9)		1270 (50.0)	
托盘宽度 Pallet width	mm (in)	1140 (44.9)		960 (37.8)	
托盘高度 Pallet height	mm (in)	940 (37.0)	1200 (47.2)	940 (37.0)	1200 (47.2)

贮存 Storage

在没有特殊要求的情况下，玻璃纤维产品应贮存在干燥、阴凉的地方，防止受潮。最佳存储条件为温度 -10°C ~ 35°C，相对湿度≤80%。为确保安全，避免损坏产品，托盘的堆码高度不应超过三层。当堆放两层或三层高时，要求正确地、平稳地移动上面的托盘。

Unless otherwise specified, the fiberglass products should be stored in a dry, cool and moisture proof area. The best temperature and humidity should be maintained at -10°C~35°C and ≤80% respectively. To ensure safety and avoid damage to the product, the pallets should be stacked not more than three layers high. When the pallets are stacked in two or three layers, special care should be taken to correctly and smoothly move the upper pallet.

