386T

通用型直接无捻粗纱

Direct Roving for General Purpose

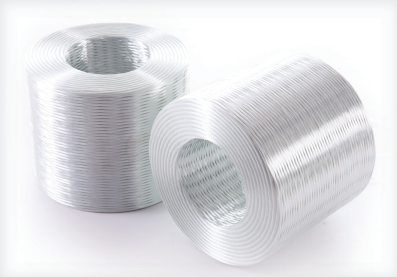
产品说明 Product Description

386T 是直接无捻粗纱，表面涂覆硅烷基浸润剂，适用于增强不饱和聚酯树脂、乙烯基树脂、环氧树脂，可用于缠绕、拉挤、编织等应用工艺。

386T 用于制造玻璃钢管道、压力容器、格栅、型材、船艇、化工贮罐等。

386T Direct Roving is coated with a silane-based sizing compatible with unsaturated polyester, vinyl ester and epoxy resins and designed for filament winding, pultrusion and weaving applications.

386T is suitable for use in pipes, pressure vessels, gratings, profiles, boats, and chemical storage tanks.



产品特点 Product Features

◎ 使用工艺性能优良，毛羽少
◎ 与多种树脂相容
◎ 浸透快速且完全
◎ 制品机械性能好
◎ 优异的耐腐蚀化学性

·Good process performance and low fuzz
·Multi-resin compatibility
·Fast and complete wet-out
·Good mechanical properties of parts
·Excellent chemical 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)	13	16	17	21	24	31
典型线密度 Typical linear density (tex)	300	200 400	600 735 1200	2000	2400 4800	9600
示例 Example	EDR17-1200-386T					

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
单位 Unit	%	%	%	N/tex
检测方法 Test menthod	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 (≤ 2400 tex) ≥ 0.35 (2401 ~ 4800 tex) ≥ 0.30 (> 4800 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 menthod
拉伸强度 Tensile strength	MPa	2660 / 2580	UP / EP	ASTM D2343
拉伸模量 Tensile modulus	GPa	80.22 / 80.12	UP / EP	ASTM D2343
剪切强度 Shear strength	MPa	68.0	EP	ASTM D2344
强度保留率(72小时水煮) Strength retention(72 hr boiling)	%	> 94	EP	/

以上数据为实验室针对EDR17-1200-386T产品的具体实验值，仅供参考。

The above data are actual experimental values for EDR17-1200-386T and to be used for reference only.

使用说明 Instructions

◎ 本产品在12个月内使用最佳，使用前应保存在原包装内。
◎ 使用时请合理控制张力并保证张力均匀性。

·The product is best used within 12 months after production, and should be kept in the original package before use.
·When using the product, please control the tension properly and ensure the tension uniformity.

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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。
◎ 产品使用时注意防护，避免产品擦毛、损伤等情况。

·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.
·Care should be taken when using the product to prevent it from being scratched or damaged.

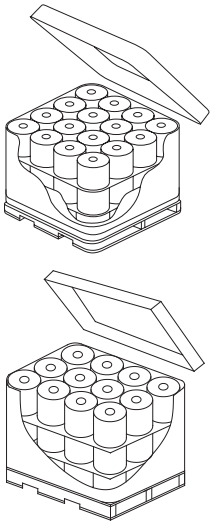
包装信息 *Packaging*

项目*Item*	单位*unit*	指标*Standard*			
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)*	*280 (11.0)*		*310 (12.2)*	
典型纱团重量 *Typical package weight*	*kg (lb)*	*17 (37.5)*		*23 (50.7)*	
层数 *Number of layers*	层 *(layer)*	*3*	*4*	*3*	*4*
每层纱团个数 *Number of packages per layer*	个 *(pcs)*	*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)*	*828 (1825.4)*	*1104 (2433.9)*
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℃～ 35℃, 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℃ ~35℃ 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.



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