316H

拉挤用直接无捻粗纱
Direct Roving for Pultrusion

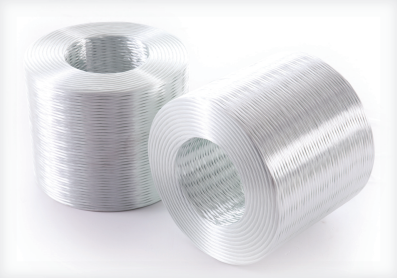
产品说明 *Product Description*

316H 无捻粗纱为无碱连续单股直接纱，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，聚氨酯树脂及环氧树脂体系，专为拉挤工艺设计，特别适合高速、高张力拉挤工艺。

316H 产品与树脂复合后，其制品被广泛应用于光缆加强芯领域。

316H Direct Roving is coated with a silane-based sizing compatible with unsaturated polyester, vinyl ester, polyurethane, and epoxy resins. It is specifically designed for pultrusion processes, especially high-speed and high-tension pultrusion processes.

316H is mainly used to reinforce electric and optical cables.



产品特点 *Product Features*

◎ 使用顺畅性优异，毛羽少
◎ 适合多种树脂体系，浸透快速与完全
◎ 制品的机械性能优异，热态抗弯性能好
◎ 优异的耐酸腐蚀性

·Good process performance and low fuzz
·Multi-resin compatibility, complete and fast wet-out
·Excellent mechanical properties and thermal bending resistance 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)*	*13*	*17*	*24*
典型线密度 *Typical linear density (tex)*	*300* *660*	*600* *1200*	*2400*
示例 *Example*	*EDR17-1200-316H*		

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*	*0.40 ± 0.10*	*≥ 0.40*
行业要求或国标 *Industry requirement or NS*	*± 5*	*≤ 0.15*	*± 0.2*	*≥ 0.35 (< 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 method*
拉伸强度 *Tensile strength*	*MPa*	*2453*	*UP*	*ASTM D2343*
拉伸模量 *Tensile modulus*	*GPa*	*82.0*	*UP*	*ASTM D2343*

以上数据为实验室针对EDR17-600-316H产品的具体实验值，仅供参考。
The above data are actual experimental values for EDR17-600-316H 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。
◎ 产品使用时注意防护，避免产品擦毛、损伤等情况。
◎ 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。
◎ 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.
·Care should be taken when using the product to prevent it from being scratched or damaged.
·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.
·When using the product, please control the tension properly and ensure the tension uniformity.

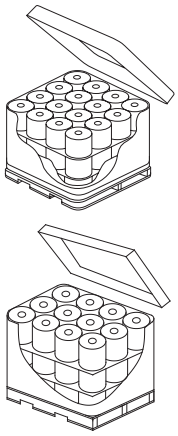
包装信息 *Packaging*

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.



中国巨石股份有限公司 CHINA JUSHI CO.,LTD

Copyright © 2024 中国巨石股份有限公司，最终解释权归本公司所有。

地址：浙江省桐乡市梧桐街道凤凰湖大道318号，邮编：314500 *Add: 318 Fenghuanghu Avenue, Wutong District, Tongxiang, Zhejiang 314500, China*
(国内销售 *Domestic Sales*) 电 话 *Tel:+86-573-88181016* 传 真 *Fax:+86-573-88136248*
(国际销售 *International Sales*) 电 话 *Tel:+86-573-88136318* 传 真 *Fax:+86-573-88181058*
(客 服 *Customer Service*) 电 话 *Tel:+86-573-88136325* 传 真 *Fax:+86-573-88136248*
http://www.jushi.com *E-mail: info@jushi.com*