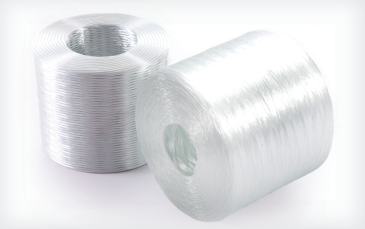
JUSHI

E6 308S

缠绕&编织用合股/直接无捻粗纱

Roving for Filament Winding and Weaving

产品说明 *Product Description*



308S无碱合股、直接无捻粗纱，采用E6玻璃配方生产，表面涂覆硅烷基浸润剂，专为增强环氧树脂而设计，适用于酸酐和胺固化体系。

308S产品与环氧树脂复合后，其制品具有优异的机械性能和疲劳性能，适合高张力的缠绕及拉挤工艺，被广泛应用于缠绕管道、高压气瓶、拉挤型材等领域。

308S Direct Roving or Assembled Roving is produced with E6 glass formulation and coated with a silane-based sizing composition. It is specially designed for reinforcing epoxy resin and suitable for both amine and anhydride curing systems.

The composites of epoxy resin reinforced with 308S have excellent mechanical and anti-fatigue properties. 308S is suitable for high-tension winding and pultrusion processes. Typical applications include wound pipes, high pressure cylinders and pultruded profiles.

产品特点 *Product Features*

◎ 浸透快速且完全、树脂结合性好
◎ 良好的工艺性能、毛羽少
◎ 适用于高张力下的快速缠绕
◎ 优异的机械性能和抗疲劳强度
◎ 具有优异的耐酸腐蚀性

·Fast and complete wet-out and good bonding with resins
·Good process performance and low fuzz
·Suitable for high speed, high tension filament winding process
·Excellent mechanical properties and fatigue resistance
·Excellent acid corrosion resistance

规格代号 *Specification*

玻璃类型 *Glass type*	*E6*		
浸润剂类型 *Sizing type*	硅烷 *Silane*		
典型纤维直径 *Typical filament diameter (μm)*	*17*	*21*	*24*
典型线密度 *Typical linear density (tex)*	*600 / 735 900 / 1100 1200 / 2400*	*2000 2100*	*2400 4800*
示例（直接纱） *Example (Direct Roving)*	*E6DR17-2400-308S*		
示例（合股纱） *Example (Assembled Roving)*	*E6R17-1100-308S(U)*		

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 method*	*ISO 1889*	*ISO 3344*	*ISO 1887*	*ISO 3341*
指标 *Standard range*	*± 5 (< 600 tex) ± 4 (≥ 600 tex)*	*≤ 0.07*	*0.55 ± 0.15*	*≥ 0.40 (< 4800 tex) ≥ 0.35 (≥ 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 (Ksi)*	*2590.0 (375.6)*	*Amine / DER331*	*ASTM D2343*
拉伸模量 *Tensile modulus*	*GPa (Msi)*	*82.0 (11.9)*	*Amine / DER331*	*ASTM D2343*
剪切强度 *Shear strength*	*MPa (Ksi)*	*74.3 (10.8)*	*Amine / DER331*	*ASTM D2344*
强度保留率(72小时水煮) *Strength retention(72 hr boiling)*	*%*	*> 96*	*Amine / DER331*	*/*

以上数据为实验室针对E6DR17-2400-308S产品的具体实验值，仅供参考。

The above data are actual experimental values for E6DR17-2400-308S and to be used for reference only.

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E6 308S

缠绕&编织用合股/直接无捻粗纱
Roving for Filament Winding and Weaving

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.

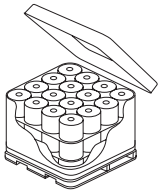
包装信息 *Packaging*

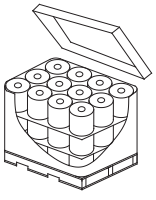
项目*Item*	单位*unit*	指标*Standard*				
典型包装方式 *Typical packaging method*	/	采用托盘包装 *Packed on pallets.*				
类型 *Type*	/	直接纱 *Direct Rovings*				合股纱 *Assembled Rovings*
典型纱团高度 *Typical package height*	*mm (in)*	*260 (10.2)*				*260 (10.2)*
纱团内径 *Package inner diameter*	*mm (in)*	*160 (6.3)*				*100 (3.9)*
典型纱团外径 *Typical package outer diameter*	*mm (in)*	*280 (11.0)*		*310 (12.2)*		*175 (6.9)*
典型纱团重量 *Typical package weight*	*kg (lb)*	*17 (37.5)*		*22 (48.5)*		*7.5 (16.5)*
层数 *Number of layers*	*层 (layer)*	*3*	*4*	*3*	*4*	*3*
每层纱团个数 *Number of packages per layer*	*个 (pcs)*	*16*		*12*		*36*
每托纱团个数 *Number of packages per pallet*	*个 (pcs)*	*48*	*64*	*36*	*48*	*108*
每托重量 *Net weight per pallet*	*kg (lb)*	*816 (1799.0)*	*1088 (2398.6)*	*792 (1746.1)*	*1056 (2328.1)*	*810 (1785.7)*
托盘长度 *Pallet length*	*mm (in)*	*1140 (44.9)*		*1270 (50.0)*		*1140 (44.9)*
托盘宽度 *Pallet width*	*mm (in)*	*1140 (44.9)*		*960 (37.8)*		*1140 (44.9)*
托盘高度 *Pallet height*	*mm (in)*	*940 (37.0)*	*1200 (47.2)*	*940 (37.0)*	*1200 (47.2)*	*940 (37.0)*

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

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*