

常州联拓复合材料有限公司

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DIRECT ROVING FOR PULTRUSION

312T Direct Roving coated with a silane-based sizing is compatible with unsaturated polyester, vinyl ester polyurethane and epoxy resins. Composites prepared with 312T have excellent tensile, flexural and shear properties. 312T is suitable for pultrusion process to manufacture pultruded profiles with high performance.

Product Features

- ◎ Compatible with most thermosetting resin systems
- ◎ Complete and fast wet-out
- ◎ Good mechanical properties
- ◎ Suitable for various pultrusion process

Identification :

Glass Type	E6					
Type of Size	Silane					
Size Code	312T					
Linear Density tex	2000	2400	4400	4800	8820	9600
Filament Diameter μm	21	24	23	24	30	31



Technical Parameters

Linear Density (%)	Moisture Content (%)	Size Content (%)	Breakage strength (N/Tex)
ISO 1889	ISO 3344	ISO 1887	ISO 3341
± 4	≤ 0.10	0.58± 0.10	≥0.40 (≤4400) ≥0.30 (4401-9600) ≥0.25 (≥9600)

Mechanical Properties

Mechanical Properties	Unit	Value	Resin	Method
Tensile Strength	MPa	2265	polyester	ASTM D2343
Tensile Modulus	MPa	81173	polyester	ASTM D2343

Storage

Unless otherwise specified, the fiberglass products should be stored in a dry, cool and moisture-proof area. The fiberglass products should remain in their original package until prior to use. The room temperature and humidity should be always maintained at -10°C~35°C and ≤80% respectively. To ensure safety and avoid damage to the product, the pallets should not be stacked more than three layers high. When the pallets are stacked in 2 or 3 layers, special care should be taken to correctly and smoothly move the top pallet.

Packaging

The product can be packed on pallet or in small cardboard boxes.

Package height mm (in)	260 (10)	260 (10)
Package inside diameter mm (in)	160 (6.3)	160 (6.3)
Package outside diameter mm (in)	275 (11)	310 (12.2)
Package weight kg (lb)	15.6 (34.5)	22 (48.5)

Number of layers	3	4	3	4
Number of doffs per layer	16		12	
Number of doffs per pallet	48	64	36	48
Net weight per pallet kg (lb)	750(1653.4)	1000(2204.6)	792 (1746.1)	1056(2328.1)

Pallet length mm (in)	1120 (44)		1270 (50)	
Pallet width mm (in)	1120 (44)		960 (38)	
Pallet height mm (in)	940 (37)	1200 (47)	940 (37)	1200 (47)

