

316 Direct Roving is coated with a silane-based sizing compatible with unsaturated polyester, vinyl ester, and epoxy resins, and designed for pultrusion process.
316 is used to reinforce electrical and optical cables.



Product Features

- ⊙ High fiber strength
- ⊙ Good integrity
- ⊙ Complete and fast wet-out
- ⊙ Low fuzz
- ⊙ Good mechanical

Identification

Glass Type	E				
Type of Size	Silane				
Size Code	316				
Linear Density (tex)	300	180	600 1200	735	2400
Filament Diameter	14	15	17	18	24

Technical Parameters

Linear Density (%)	Moisture Content (%)	Size Content (%)	Breakage Strength (N/tex)
ISO 1889	ISO 3344	ISO 1887	ISO 3341
±5	≤ 0.10	0.50 ~ 0.75	≥0.50

Mechanical Properties

Mechanical Properties	Unit	Value	Resin	Method
Tensile Strength	MPa	2261	polyester	ASTM D2343
Tensile Modulus	MPa	78930	polyester	ASTM D2343

The above data are actual experimental values for EDR17-600-316 and for reference only.

Storage

Unless otherwise specified, the fiberglass products should be stored in a dry, cool and moisture-proof area. The room temperature and humidity should be always maintained at 15°C~35°C and 35% ~ 65%. It is best if the product is used within 12 months after production date. The fiberglass products should remain in their original packaging until just prior to user .

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)	270 (10.6)	310 (12.2)
Package weight kg (lb)	15.6 (34.4)	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)	1056 (2328)

Pallet length mm (in)	1120 (44)		1270 (50)	
Pallet width mm (in)	1120 (44)		960 (37.8)	
Pallet height mm (in)	940 (37)	1180 (46.5)	940 (37)	1180 (46.5)

