

# 常州联拓复合材料有限公司

## CHANGZHOU UTEK COMPOSITE CO., LTD.

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### DIRECT ROVING FOR PULTRUSION

316H Direct Roving is coated with a silane-based sizing compatible with unsaturated polyester, vinyl ester, polyurethane, and epoxy resins. It is designed for pultrusion process, and suitable for high speed, high tension filament winding process. 316H is used to reinforce electrical and optical cables, pipes, pressure vessels.

#### Product Features

- ◎ Good process performance and low fuzz.
- ◎ Compatibility with a multiple of resin systems.
- ◎ Complete and fast wet-out.
- ◎ Good mechanical properties.
- ◎ Excellent acid corrosion resistance

#### Identification :

Glass Type	E6					
Type of Size	Silane					
Size Code	316H					
Linear Density tex	200	300	330	600	1200	2400
Filament Diameter μm	16	13	14	17	17	17/24



#### Technical Parameters

Linear Density (%)	Moisture Content (%)	Size Content (%)	Breakage Strength (N/Tex)
ISO 1889	ISO 3344	ISO 1887	ISO 3341
± 5	≤ 0.10	0.40± 0.10	≥ 0.40

#### 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)

#### Mechanical Properties

Mechanical Properties	Unit	Value	Resin	Method
Tensile Strength	MPa	2453	EP polyester	ASTM D2343
Tensile Modulus	MPa	81985	EP polyester	ASTM D2343

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)	1000(2204)	792 (1716)	1056(2328)

#### 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.

Pallet length mm (in)	1120 (44)		1270 (50)	
Pallet width mm (in)	1120 (44)		960 (37.8)	
Pallet height mm (in)	940 (37)	1200 (47)	940 (37)	1200 (46.5)

