



## Direct Roving 310A-E6 for Pultrusion

310A Assembled Roving is coated with a silane-based sizing compatible with epoxy resin and designed for pultrusion process.

Based on E6 formulation, 310A delivers excellent electrical property when bonding with epoxy resin, and it is mainly used to manufacture electrical products such as insulation rods and insulation stanchions.

### SPECIFICATIONS

Type of Glass  
E6

Type of Fiberglass  
Direct Roving (DR)

Standard  
Linear Mass Densities  
2400, 4800, 9600  
grams per metre (Tex)

Filament Diameter  
13 microns

Most Common Sizes  
E6DR13-9600-310A

### FEATURES

- Complete and fast wet-out
- Excellent acid corrosion resistance
- Excellent electrical properties of the finished composite product
- Excellent mechanical properties of the finished composite product
- Excellent moisture resistance
- Good integrity
- Good ribbonization
- Low fuzz

### RESIN COMPATIBILITY:

- Epoxy (EP)

### USES:

- Electrical & electronic applications
- Insulation rods
- Insulation stanchions
- Power generation, transmission and distribution systems

### TECHNICAL PARAMETERS

Linear Density (%)  
ISO 1889  
± 5

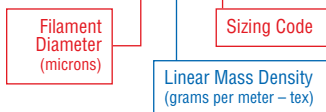
Moisture Content (%)  
ISO 3344  
≤ 0.10

Size Content (%)  
ISO 1887  
0.60 ± 0.15

Breakage Strength (N/tex)  
ISO 3341  
≥ 0.30 (9600tex)  
≥ 0.40 (2400/4800tex)

### NOMENCLATURE

E6DR00-000-000



# Direct Roving **310A-E6** for Pultrusion

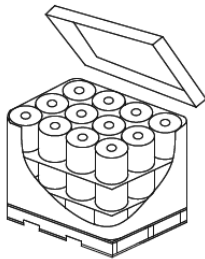
## PACKAGING

Doffs can be packed on pallets or in small cardboard boxes.



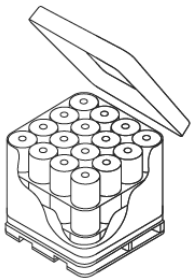
Doff

Doff:	270	310
Doff outside diameter	270 mm (10.6 in)	310 mm (12.2 in)
Doff inside diameter	100 mm (4 in)	100 mm (4 in)
Doff height	260 mm (10 in)	260 mm (10 in)
Doff weight	17 kg (37.4 lb)	22 kg (48.5 lb)



3-Layer Pallet  
12 doffs per Layer

Pallet:	3	4	3	4
Number of layers per pallet	3	4	3	4
Number of doffs per layer	16	16	12	12
Number of doffs per pallet	48	64	36	48
Net weight	816 (1797.3 lb)	1088 kg (2396.5 lb)	828 kg (1825 lb)	1104 kg (2433.9 lb)
Length	1120 mm (44 in)	1120 mm (44 in)	1270 mm (50 in)	1270 mm (50 in)
Width	1120 mm (44 in)	1120 mm (44 in)	960 mm (37.8 in)	960 mm (37.8 in)
Height	940 mm (37 in)	1180 mm (46.5 in)	940 mm (37 in)	1180 mm (46.5 in)



3-Layer Pallet  
16 doffs per Layer

## STORAGE

Unless otherwise specified, fiberglass products should be stored in a dry, cool and moisture-proof area. Room temperature and humidity should always be maintained at 15°C – 35°C, 35% – 65% respectively.

Best used within 12 months after production date. Fiberglass products should remain in their original packaging until just prior to use.

To ensure safety and avoid damage to the product, the pallets should not be stacked more than two layers high. When the pallets are stacked in two layers, care should be taken to correctly and smoothly move the top pallet.