



## Direct Roving 312T-E6 for Pultrusion

312T Direct Roving is coated with a silane-based sizing compatible with unsaturated polyester, vinyl ester and epoxy resins. The combination of 312T and thermoset resin delivers excellent tensile, flexural and shear properties. 312T is suitable for pultrusion process to manufacture FRP pultrusion products.

### SPECIFICATIONS

Type of Glass  
E6

Type of Fiberglass  
Direct Roving (DR)

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

Filament Diameter  
24-31 microns

Most Common Sizes  
E6DR24-2400-312T

### FEATURES

- Compatible with multiple resin systems
- Complete and fast wet-out
- Good mechanical properties
- Good processing properties

### RESIN COMPATIBILITY

- Epoxy (EP)
- Unsaturated polyester
- Vinyl ester

### 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  
≥ 0.40

### MECHANICAL PROPERTIES

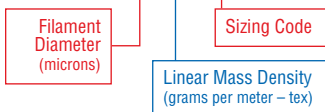
Tensile Strength  
ASTM D2343  
2693 MPa

Tensile Modulus  
ASTM D2343  
80454 MPa

The above data are actual experimental values for E6EDR24-2400-312T and for reference only.

### NOMENCLATURE

E6EDR00-000-000



# Direct Roving 312T-E6

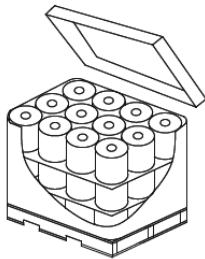
## for Pultrusion

### PACKAGING

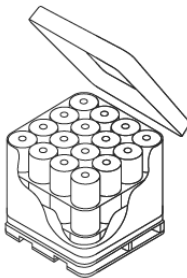
Doffs can be packed on pallets or in small cardboard boxes.



Doff



3-Layer Pallet  
12 doffs per Layer



3-Layer Pallet  
16 doffs per Layer

Doff:	270	310
Doff outside diameter	270 mm (10 in)	310 mm (12.2 in)
Doff inside diameter	160 mm (6.3 in)	160 mm (6.3 in)
Doff height	260 mm (10 in)	260 mm (10 in)
Doff weight	15.6 kg (34.4 lb)	22 kg (48.5 lb)

### Pallet:

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	750 (1653.4 lb)	1000 kg (2204.6 lb)	792 kg (1746 lb)	1056 kg (2328 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)

### 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.