DATA SHEET

JUSHIUSA

Assembled Roving 310T-E6

For Pultrusion

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

Based on E6 formulation, 310T is suitable for use in insulation rods, and insulation stanchions, and is widely used in power generation, transmission, and distribution systems.

SPECIFICATIONS

Type of Glass:
E6-Glass (E6)

Type of Fiberglass:
Assembled Roving (R)

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

Filament Diameter:
16 microns

Most Common Sizes:
E6R16-2400-310T
E6R16-4800-310T
E6R16-9600-310T

NOMENCLATURE

E6R00-000-000

- Filament Diameter (microns)
- Linear Mass Density (grams per meter – tex)
- Sizing Code

FEATURES

- Complete and fast wet-out
- Excellent electrical properties of the finished composite product
- Good integrity
- Good mechanical properties
- Good ribbonization
- High fiber strength

RESIN COMPATIBILITY:

- Epoxy (EP)

USES:

- 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
0.30 ± 0.10

Breakage Strength (N/tex):
ISO 3341
≥ 0.30 (> 4800tex)
≥ 0.40 (≤ 4800tex)

MECHANICAL PROPERTIES

Tensile Strength:
GB 13096-2008
1400-1600 MPa

Leakage Current:
GB/T 19519-2004
< 20 μA

Pin Puncture Voltage:
GB/T 1408.1-2006
> 50 Kv

FIberglass Content:
81-83 %

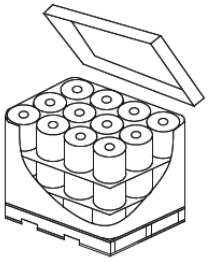
Glass-Transition Temperature:
DCS
110-125˚ C

DECEMBER 30, 2011

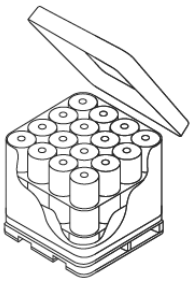
Assembled Roving 310T-E6

For Pultrusion

Doff



3-Layer Pallet
12 doffs per Layer



3-Layer Pallet
16 doffs per Layer

PACKAGING

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

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 (50.7 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	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)

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.