



Direct Roving 778 for Weaving

Direct Roving 778 is an E-glass roving coated with a silane-based sizing designed for weaving applications. It is most commonly used in the marine and chemical industries.

SPECIFICATIONS

Type of Glass
E-Glass (E)

Type of Fiberglass
Assembled Roving (R)

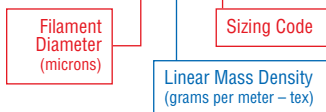
Standard
Linear Mass Densities
300–2400
grams per metre (Tex)

Filament Diameter
14, 16, 17, 21, 24 microns

Most Common Sizes
EDR17-735-778
EDR17-1103-778
EDR20-1503-778
EDR21-1985-778
EDR22-2206-778

NOMENCLATURE

EDR00-000-000



FEATURES

- Compatible with multiple resin systems
- Complete and fast wet-out
- Excellent weaving performance
- Low fuzz

RESIN COMPATIBILITY:

- Epoxy (EP)
- Unsaturated polyester
- Vinyl ester

USES:

- Boats/yachts
- Chemical corrosion resistance applications

TECHNICAL PARAMETERS

Linear Density (%)
ISO 1889
± 5

Moisture Content (%)
ISO 3344
≤ 0.10

Size Content (%)
ISO 1887
0.55 ± 0.15

Breakage Strength (N/tex)
ISO 3341
≥ 0.40

MECHANICAL PROPERTIES

Tensile Strength
ASTM D2343
1841 MPa*

Tensile Modulus
ASTM D2343
80380 MPa*

*Values for EDR17-1200-778 and for reference only

PACKAGING STORAGE

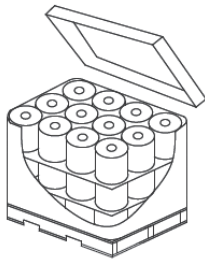
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PACKAGING

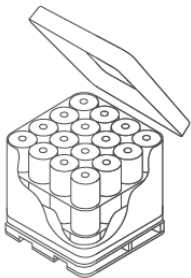
Doffs can be packed on pallets or in small cardboard boxes.



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.