



Compofil™-PET

Polyethylene terephthalate fiber

Compofil™ –PET is a high-performance roving made of interwound continuous glass fiber and long Polyethylene Terephthalate (PET) fiber. It can be used to manufacture thermoplastic composites directly with no need for extra resin. It is suitable for various molding processes including mold pressing, vacuum molding, filament winding and more.

SPECIFICATIONS

Type of Glass
E Glass

Type of Fiberglass
Direct Roving (DR)

Weight
70% glass content

Standard Linear
Mass Densities:
700 grams per metre (Tex)

Most Common Sizes
PET-70-DR-700
PET-60-DR-810

FEATURES

- Dry thermoplastic prepreg with excellent self-impregnation
- Environmentally-friendly production process and recyclability
- Excellent high temperature resistance
- Excellent mechanical properties

USES:

- Automotive
- Construction
- Military applications
- New energy industries

MECHANICAL PARAMETERS

Tensile Strength:
ISO527-4
759 MPa

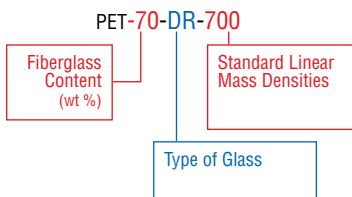
Tensile Modulus:
ISO527-4
56 GPa

Flexural Strength:
ISO178
1117 MPa

Flexural Modulus:
ISO178
52 GPa

Notched Impact:
ISO179
390 kJ/m²

NOMENCLATURE

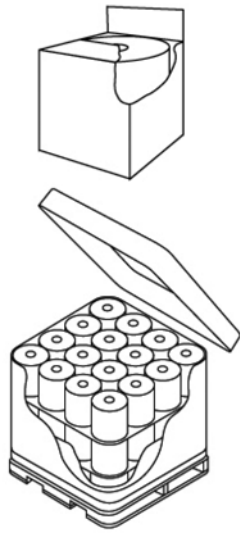


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PACKAGING

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



Doff:		275
Doff outside diameter		275 mm (10.8 in)
Doff inside diameter		160 mm (6.3 in)
Doff height		260 mm (10 in)
Doff weight		12 kg (26.5 lb)

Pallet:		
Number of layers per pallet	3	4
Number of doffs per layer	16	16
Number of doffs per pallet	48	64
Net weight	576 (1268.7 lb)	768 kg (1691.6 lb)
Length	1120 mm (44 in)	1120 mm (44 in)
Width	1120 mm (44 in)	1120 mm (44 in)
Height	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.