



Compofil®-PP

Compofil®-PP is a kind of thermoplastic prepreg made from continuous fiberglass coated with PP resin. It is specially designed to manufacture high performance PP composite components directly with no need for extra resin. It is suitable for various composite processes including compression molding, vacuum molding, filament winding, pultrusion, etc., widely applied in aerospace, automotive, construction, sports, new energy industries and so on.

Product Features

- Stable thermoplastic prepreg with excellent self-impregnation
- High productivity and short processing cycle
- Environment-friendly production process and recyclability
- Excellent mechanical properties

Product Reference

Compofil®-PP-60-R-1870N
 PP: Polypropylene resin
 60: Fiberglass content (wt%)
 R: Roving
 1870: Linear density (tex)
 N: Natural color (B: Black color)

Product Availability

- **Compofil®-PP-60-R-1870N**
- **Compofil®-PP-60-R-1870B**
- **Compofil®-PP-60-R-800N**
- **Compofil®-PP-80-R-750N**
- **Compofil®-PP-82-R-1400N**



Mechanical Properties

Environmental Temperature: 23°C, Humidity: 50%,
 Compression molding

Property	Unit	Standard	
Resin	/	/	PP
Glass content	%	GB/T2577	60
Tensile strength	MPa	ISO527-4	620
Tensile modulus	GPa	ISO527-4	43
Flexural strength	MPa	ISO178	590
Flexural modulus	GPa	ISO178	41
Notched impact	kJ/m ²	ISO179	400

Packaging

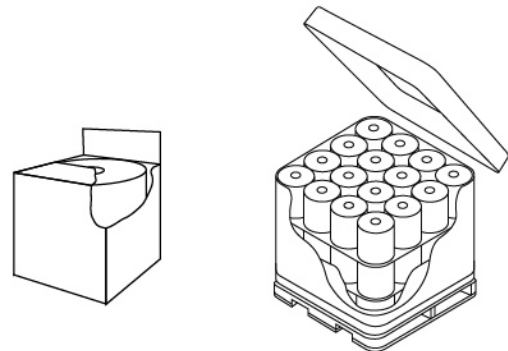
The product can be packed on pallet or in small cardboard boxes.

Package height mm (in)	260 (10)
Package inside diameter mm (in)	160 (6.3)
Package outside diameter mm (in)	275 (10.8)
Package weight kg (lb)	10 (22)

Number of layers	3	4
Number of doffs per layer	16	
Number of doffs per pallet	48	64
Net weight per pallet kg (lb)	480 (1056)	640 (1408)

Storage

Unless otherwise specified, the fiberglass products should be stored in a dry, cool and moisture-proof area. The room temperature and humidity should be always maintained at 15 °C~35°C and 35% ~ 65%. It is best if the product is used within 12 months after production date. The fiberglass products should remain in their original packaging until just prior to user. To ensure safety and avoid damage to the product, the pallets should not be stacked more than three layers high. When the pallets are stacked in 2 or 3 layers, special care should be taken to correctly and smoothly move the top pallet.



JUSHI GROUP CO., LTD.

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