

Technical Data Sheet

Direct Roving 469P

Roving for Pultrusion

Product Description

The Direct Roving 469P is roving formed by winding glass filaments without twist onto cylindrical bobbins. 469P sizing has a silane based coupling agent, which is compatible with polyesters and vinyl ester resins.

Product Application

The Direct Roving 469P is designed for pultrusion.



Product Benefits

- Constant tension;
- Uniform yield;
- Fast wet-through;
- Good mechanical and fatigue properties.

Identification

Example:	ECT469P-4400
ECT:	CPIC description of the type of glass, E-glass boron free
469P:	CPIC BRAZIL sizing reference
4400:	Linear nominal weight of direct roving (tex)



Technical Characteristics

Linear weight (tex)*	Loss on ignition (%)	Moisture (%)	Tensile strength (N/TEX)
ISO 1889	ISO 1887	ISO 3344	ISO3341
600 ± 30	0.45 ± 0.10	≤ 0.10	≥ 0.35
1200 ± 60	0.45 ± 0.10	≤ 0.10	≥ 0.30
2400 ± 120	0.45 ± 0.10	≤ 0.10	≥ 0.30
4400 ± 220	0.45 ± 0.10	≤ 0.10	≥ 0.30
4800 ± 240	0.45 ± 0.10	≤ 0.10	≥ 0.30

*Other linear weights are available on request.

Roving Characteristics

Diameter (mm)		Nominal height (mm)	Nominal weight (kg)
Internal	External		
165	300	270	14 – 17*

*Can contain 4 bobbins between 8 kg to 14 kg per pallet level

Packaging

Each Direct Roving 469P is protected by a stretch film or adhesive, which should not be removed until it is completely used. The rovings are packed in Octahedra packaging put over a wood pallet. The packaging unit is the pallet.

Packaging	Level	Pallet dimensions L x W x H (mm)	Net weight (kg)
Octahedra	3	1140 x 1140 x 950	816
Octahedra	4	1140 x 1140 x 1220	1088

*In case of specific requirements, please, contact us.

Storage

The Roving Direct 469P should be stored away from heat and moisture, and in their original packaging. The best conditions are: temperatures between 15 and 35 °C; humidity between 35 and 65 %.

If the product is not stored under these specifications, it is advisable to condition it in the workshop for at least 24 hours before the use, to prevent condensation.

Pallets can be stored in 2 levels (1+1) using a protection between them (cardboard or wood panel).

CPIC Brazil recommends material consumption according to FIFO method (first in, first out).

Integrated Management System Certifications:

ISO9001**ISO14001****ISO45001**