

Technical Data Sheet

Direct Roving 469PH

Roving for Pultrusion Process

Product Description

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



Product Application

The Direct Roving 469PH is a product designed for pultrusion process.

Product Benefits

- Constant tension;
- Uniform yield;
- Fast wet-through;
- Excellent mechanical properties.

Identification

Example:	ECT469PH-740
ECT:	CPIC description of the type of glass, E-glass boron free
469PH:	CPIC sizing reference
740:	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	ISO 3341
408 ± 20	0.45 ± 0.10	≤ 0.10	≥ 0.35
600 ± 30	0.45 ± 0.10	≤ 0.10	≥ 0.35
740 ± 37	0.45 ± 0.10	≤ 0.10	≥ 0.35
1100 ± 55	0.45 ± 0.10	≤ 0.10	≥ 0.35
2200 ± 110	0.45 ± 0.10	≤ 0.10	≥ 0.30
4400 ± 220	0.45 ± 0.10	≤ 0.10	≥ 0.30
8800 ± 616	0.45 ± 0.10	≤ 0.10	≥ 0.30

*Other linear weight upon 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 469PH is protected by a stretch film or adhesive, which should not be removed until it is completely used. Rovings are packed in Octahedra packaging 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

Direct Roving 469PH 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**