

Technical Data Sheet

Direct Roving 4305N

Roving for LFT (Long Fiber Thermoplastic)

Product Description

The Direct Roving 4305N is roving produced by winding glass filaments without twist onto cylindrical cheeses. 4305N sizing has a silane based coupling agent, which is compatible with polypropylene polymer in LFT-D and LFT-G.



Product Application

The Direct Roving 4305N is a product designed for the reinforcement of PP pellets with excellent mechanical properties for automotive, electrical and electronic applications.

Product Benefits

- Stable roving density;
- Good use process, low fuzz;
- Excellent dispersion;
- Excellent mechanical properties
- Excellent corrosion resistance
- Good conversion

Identification

Example:	ECT4305N-2400
ECT:	CPIC designation of the type of glass, E-glass boron free
4305N:	CPIC BRAZIL sizing reference
2400:	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
2400 ± 120	0.35 ± 0.10	≤ 0.05	≥ 0.30
4400 ± 220	0.35 ± 0.10	≤ 0.05	≥ 0.30
4800 ± 240	0.35 ± 0.10	≤ 0.05	≥ 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 4305N 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 4305N 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