

Technical Data Sheet

Direct Roving 468GE

Roving for Fabrics for Wind Energy

Product Description

The Direct Roving 468GE is roving produced by winding glass filaments without twist onto cylindrical bobbins. 468GE sizing has a silane based coupling agent, which is compatible with epoxy and amine systems.

Product Application

The Direct Roving 468GE is a product designed for fabrics used in the manufacture of wind power blades.



Product Benefits

- Constant tension;
- Uniform yield;
- No static;
- Fast wet-through;
- Excellent mechanical properties;
- Constant linear weight

Identification

Example:	ECT468GE-2400
ECT:	CPIC designation of type of glass, E-glass boron free
468GE:	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 3334	ISO 3341
300 ± 15	0.60 ± 0.10	≤ 0.10	≥ 0.40
600 ± 30	0.55 ± 0.10	≤ 0.10	≥ 0.40
1200 ± 60	0.55 ± 0.10	≤ 0.10	≥ 0.40
2400 ± 120	0.55 ± 0.10	≤ 0.10	≥ 0.40

*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 468GE 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 468GE 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