

# Technical Data Sheet

## Roving ECT107C

### Roving for Filament Winding and Chop

#### Product Description

Roving 107C are rovings formed by winding glass filaments without twist onto cylindrical coils.

107C sizing has a silane based coupling agent, which is compatible with unsaturated polyester resins and polyurethane adhesives.

#### Product Application

Roving 107C is designed for continuous production of pipes and tanks by filament winding process and chop.



#### Product Benefits

- Easy chopping with all kinds of chopper;
- Excellent unwinding;
- No static;
- Excellent mechanical properties;
- Fast wet-through;
- Flat and uniform distribution;
- No fuzz.

#### Identification

**Example:** ECT107C-2400

**ECT:** CPIC description of the type of glass, E-glass boron free

**107C:** CPIC BRAZIL sizing reference

**2400:** Linear nominal weight of roving (Tex)

## Technical Characteristics

| Linear Weight (tex) | Loss on ignition (%) | Moisture (%) |
|---------------------|----------------------|--------------|
| ISO 1889            | ISO 1887             | ISO 3344     |
| 2400 ± 170          | 1,35 ± 0,15          | ≤0,10        |
| 4000 ± 240          | 1,35 ± 0,15          | ≤0,10        |

## Roving Characteristics

| Diameter (mm) |          | Nominal Height (mm) | Nominal Weight (kg) |
|---------------|----------|---------------------|---------------------|
| Internal      | External |                     |                     |
| 75            | 275      | 220                 | 17                  |

## Packaging

Each bobbin of the Roving 107C is protected by a stretch film, which should not be removed until it is completely used. The rovings are packed in Quad Box with vertical knots put over a wood pallet. The packaging unit is the pallet.

| Packaging | Level | Pallet Dimensions Lx W x H (mm) | Net Weight (kg) |
|-----------|-------|---------------------------------|-----------------|
| Quad Box  | 3     | 1140 x 1140 x 800               | 816             |
| Quad Box  | 4     | 1140 x 1140 x 1020              | 1088            |

## Storage

Rovings 107C 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 (wood panel).

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

## Integrated Management System Certifications:

**ISO9001**
**ISO14001**
**ISO45001**