

Technical Data Sheet

Chopped Strands ECS401BR

Reinforcement for Friction Materials

Product Description

Chopped Strands 401BR are made from glass continuous filaments, which received a special sizing compatible with phenolic resins, used in friction materials.

Product Application

Chopped Strands 401BRFR are designed for the reinforcement of friction materials, presenting excellent thermal resistance, keeping its characteristics in different conditions of usage.



Product Benefits

- Excellent flow characteristics in the process;
- High matrix compatibility;
- Good dispersion and short mixing time;
- High mechanical properties;
- Excellent surface appearance.

Identification

| | |
|-----------------|------------------------------|
| Example: | ECS401BR-4,0-K |
| ECS: | Chopped Strands |
| 401BR: | CPIC BRAZIL sizing reference |
| 4,0: | Nominal fiber length (mm) |
| K: | Filament diameter (µm) |

Technical Characteristics

| Length | | Filament Diameter (μm) | Loss on ignition (%) | Moisture (%) |
|--------|----------------|--|----------------------|--------------|
| mm | in | μm | ISO 1887 | ISO 3344 |
| 3,0 | $\frac{1}{8}$ | 13 \pm 1 (K) | 0,55 \pm 0,10 | \leq 0,10 |
| 4,0 | $\frac{5}{32}$ | 13 \pm 1 (K) | 0,55 \pm 0,10 | \leq 0,10 |
| 6,0 | $\frac{1}{4}$ | 13 \pm 1 (K) | 0,55 \pm 0,10 | \leq 0,10 |

Packaging

Available packagings are presented below.

| Packaging | Bags per pallet | Pallet Dimension L x W x H (mm) | Net Weight (Kg) | Gross Weight (Kg) |
|---------------------|-----------------|------------------------------------|--------------------|----------------------|
| Saco de polietileno | 28 | 1140 x 1140 x 920 | 700 | 750 |
| Saco de polietileno | 44 | 1140 x 1140 x 1180 | 1100 | 1150 |
| Big Bag | 01 | 1140 x 1140 x 1200 | 1000 | 1050 |

Packaging unit is the pallet. It is not possible to stack big bag packaging

Storage

Chopped Strands 401BR must be stored away from heat and moisture, and in their original packaging. The best conditions are temperatures between 15 and 35°C and 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 use, to prevent condensation.

CPIC Brazil recommends that the material be used according to FIFO method (first in, first out).

Integrated Management System Certifications:

ISO9001

ISO14001

ISO45001