

Technical Data Sheet

Chopped Strands ECS401BR

Reinforcement for Friction Materials and BMC

Product Description

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

Product Application

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



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	-	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
12,0	$\frac{1}{2}$	13 \pm 1 (K)	0,55 \pm 0,10	\leq 0,10

Packaging

Available packaging are presented below.

Packaging	Bags per pallet	Pallet Dimension L x W x H (mm)	Net Weight (Kg)
Polyethylene bag	28	1140 x 1140 x 920	700
Polyethylene bag	44	1140 x 1140 x 1180	1100
Big Bag	01	1140 x 1140 x 1200	1000

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