

Technical Data Sheet

Chopped Strands 301CL

Reinforcement for Polyamide Resins

Product Description

Chopped Strand 301CL is made from boron free E-Glass continuous filaments, which receives a sizing specially designed for the reinforcement of Polyamide resins, not glycol and hydrolysis resistant. The chemical coating applied is specific for the polymeric matrix in which will be incorporated.

Product Application

The Chopped Strands 301CL is designed for the production of grainy thermoplastics extrusion reinforced, used in the production of injection molding pieces.



Product Benefits

- Easy dispersion in the extruder, low torque absorbed
- Excellent dry flow characteristics
- Outstanding strand integrity
- Low fines
- Excellent mechanical properties
- No loss of mechanical performance in formulation with stearates.

Identification

Example:	ECS301CL-4,5-H
ECT:	Type of glass
301CL:	CPIC BRAZIL sizing reference
4,5:	Nominal fiber length (mm)
H:	Filament Diameter



Technical Characteristics

Length		Filament Diameter (μm)		Loss on Ignition (%)	Moisture (%)
mm	in	μm		ISO 1887	ISO 3344
3,0	1/8	10 \pm 1 (H)	14 \pm 1 (K)	0,45 \pm 0,10	\leq 0,05
4,5	3/16	10 \pm 1 (H)	14 \pm 1 (K)	0,45 \pm 0,10	\leq 0,05

Packaging

Available packaging for Chopped Strands 301CL is presented below.

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

The packaging unit is the pallet. For big bag packaging stacking is not recommended.

Storage

Chopped Strands 301CL should 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