

Technical Data Sheet

Chopped Strands 301HP HL

Reinforcement for Polyamide Resins

Product Description

Chopped Strand 301HP HL is made from boron free E-glass continuous filaments, which receives a sizing specially designed for the reinforcement of Polyamide resins. The chemical coating applied is specific for the polymeric matrix in which will be incorporated.

301HP HP sizing has an outstanding resistant to hydrolysis and good glycol resistance.



Product Application

Chopped Strands 301HP HL 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:	ECS301HP-4,5-L HL
ECS:	Chopped Strands
301HP HL:	CPIC BRAZIL sizing reference
4,5:	Nominal fiber length (mm)
L:	Filament Diameter

Technical Characteristics

Length		Filament Diameter		Loss on Ignition (%)	Moisture (%)
mm	in	µm		ISO 1887	ISO 3344
3,0	1/8	10 ±1 (H)	14 ±1 (L)	0,65 ± 0,10	≤ 0,05
4,5	3/16	10 ±1 (H)	14 ±1 (L)	0,65 ± 0,10	≤ 0,05

Packaging

Chopped strands 301HP HL are disposed in Big Bag (1000 kg) and polyethylene bags (25kg) packed in individual Quad Box put over a wood pallet. The packaging unit is the pallet.

Pallets Characteristics

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

Storage

The Chopped Strands 301HP HL 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).

Certificaciones del Sistema Integrado de Gestión:

ISO9001

ISO14001

ISO45001