



TECHNICAL DATA SHEET

ChopVantage® HP 3610

ChopVantage® HP 3610 is designed to reinforce a wide range of polyamide formulations. The produce combines excellent feeding characteristics, high gloss, and superior dry as molded mechanical properties. It also exhibits outstanding resistance in ethylene glycol-based cooling systems, and excellent performance in impact modified resins. ChopVantage® HP 3610 can be used in formulations using calcium-stearate and other release agents without adverse effects on product performance. The sizing system will not have a negative impact on the viscosity or the molding performance of polyamide formulations. ChopVantage® HP 3610 is an excellent fit for high throughput compounding systems due to its high flow characteristics.

- Suitable for use in a wide range of nylons: 6, 6/6, 4/6, 6/10, 12, PPA
- Superior dry flow performance of the fibers
- Low viscosity during compounding supporting high throughput processes
- Excellent design and forming capabilities in injection molding machines
- Provides uniform dispersion during the compounding operation
- High hydrolysis resistance properties in several LLC systems
- High impact properties
- High fatigue resistance
- Excellent mechanical properties in combination with environmentally friendly flame retardants

PRODUCT DESCRIPTION

Type of Fiber	E-Glass (ASTM D 578-98, paragraph 4.2.2)
Fiber Diameter, nominal µm	10
Standard Cut Length	3.2 mm (1/8")

PROPERTY INFORMATION

Property	Test Method	Unit	PA66	PA66 ^a After Hydrolysis
Tensile Strength	ISO 527	MPa	198	93
Tensile Elongation	ISO 527	%	3.6	4.0
Charpy, unnotched	ISO 179	Kj/m ²	85	72
Glass Content	ISO 1172	Wt%	30	30

a. 5 days in boiling mixture (93/7) of water and antifreeze (135°C);

Data was obtained at room temperature from injection molded test bars. Twin-screw extrusion compounding with downstream addition of glass fibers was used to produce the molding compound. Values should be considered as guides only, as results may vary due to processing differences.

Packaging: ChopVantage® HP 3610 is supplied in 1000 kg and 2000 kg bulk bags, or in 1350 lbs corrugated drop-bottom cartons. All packaging is designed to allow bottom discharge of the chopped strands if desired.

Storage: ChopVantage® HP 3610 should be stored at room temperature and at a relative humidity of 65% +/- 10%. To avoid problems with humidity or static electricity, the glass fibers should be conditioned in the work area prior to use. A first in first out control system is not strictly necessary, but will help to minimize the influence of adverse storage conditions.