



PPG Fiber Glass Europe

ChopVantage® HP 3610

ChopVantage® HP 3610 is designed to reinforce a wide range of polyamide formulations. The product combines excellent feeding characteristics, high gloss, and superior dry as moulded mechanical properties. The product has an outstanding resistance in ethylene glycol-based cooling systems and excellent performance in impact modified resins.

The product is an excellent fit for high throughput compounding system due to its high flow characteristics and low viscosity during extrusion and moulding.

USER BENEFITS:

- 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 supports high throughput processes.
- Provides uniform dispersion during the compounding operation.
- Excellent design and forming capabilities in injection moulding machines.
- High hydrolysis resistance properties in several LLC systems.
- High impact properties.
- High fatigue resistance.
- Excellent mechanical properties in combination with environmental friendly flame retardants.
- FDA compliance for repeated-use food-contact applications.
- French & German Potable water contact compliance.
- Please contact your PPG representative for more details





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PRODUCT DESCRIPTION.

Property	Description
Type of Fiber	E-Glass
Fiber Diameter, nominal, μm	10
Standard Fiber Length	3.8 mm & 4.5 mm

PRODUCT INFORMATION.

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

^a5 days in boiling mixture (93/7) of water and antifreeze (135°C);

This data was obtained during tests at room temperature from injection molded test bars. Twin screw extrusion compounding with downstream addition of glass fibers was used to produce the molding granules. Values should be considered as guides only and may vary due to processing differences.

PACKAGING.

ChopVantage[®] HP 3610 is supplied in Big Bags of 1,000 kg or 1,100 kg of chopped strands and Octabins containing 1,000 kg of chopped strands. The packaging is designed to allow bottom discharge of the chopped strands. Packaging in smaller quantities is available on request.

STORAGE.

ChopVantage[®] HP 3610 should be stored at room temperature and at a relative humidity of 65% \pm 10%. To avoid problems with humidity or static electricity the glass fibers should be conditioned in the working area prior to use. If the contents of a packaging unit are only partly used, the packing should be re-sealed.

A First-In-First-Out (FIFO) stock control system is recommended to minimize the influence of storage conditions.



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