



PPG Fiber Glass Europe

ChopVantage® HP 3545

ChopVantage® HP 3545 is designed to reinforce various types of general purpose nylon resins, especially polyamide 6 and polyamide 66. Compatibility of ChopVantage® HP 3545 in impact modified grades and other polymer blends offers the producer of compounds an opportunity to consolidate inventories of fiber glass products.

USER BENEFITS:

- Compatibility with a wide range of resin systems: polyamide 6, polyamide 66, PA/PP-blends, aromatic polyamide, PPS and impact modified polyamide grades.
- Wide range of versatility with respect to feeding and handling; e.g. gravimetric, loss-in-weight.
- Superior dry flow performance which contributes to high compounding rates, using both continuous feed and batch systems.
- Provides an optimum balance of sizing functions.





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PRODUCT DESCRIPTION.

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

PRODUCT INFORMATION.

Property	Test Method	Unit	Polyamide 6	Polyamide 66
Tensile Strength	ISO 527	MPa	180	205
Tensile Modulus	ISO 527	GPa	9.5	10.0
Flexural Strength	ISO 178	MPa	270	300
Flexural Modulus	ISO 178	GPa	8.4	8.8
Charpy, unnotched	ISO 179	kJ/m^2	90	85
Charpy, notched	ISO 179	kJ/m^2	15	11
Izod, unnotched	ISO 180	kJ/m^2	82	75
Izod, notched	ISO 180	kJ/m^2	16	12
Glass Content	ISO 1172	wt%	30	31

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 3545 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 3545 should preferably 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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