ChopVantage® HP 3540

Chopped Fiber Glass

Product Description

***CHOPVANTAGE* HP 3540** chopped strand products from PPG Fiber Glass are designed to reinforce various types of resins, especially polyamide 6 (PA6) and polyamide 66 (PA66). Compatibility of *CHOPVANTAGE* HP 3540 chopped strands in the polyester resin polyethylene terephthalate (PET) offer the producer of both PA and PET compounds an opportunity to consolidate inventories of fiber glass products. *CHOPVANTAGE* HP 3540 chopped strand products also offer a combination of excellent dispersion and good mechanical properties.

User Benefits

- Compatible with a wide range of resin systems: PA6, PA66, PET, polycarbonate (PC), polyphenylenesulfide (PPS), and styrenics.
- Superior dry-flow performance which contributes to high compounding rates, using both continuous feed and batch systems.
- Wide range of versatility with respect to feeding and handling; e.g. gravimetric, loss-in-weight, dense-phase conveying.
- Provides an optimum balance of sizing functions.
- U.S. Food and Drug Administration and EU compliance for repeated-use food content applications.
- French and German potable water contact compliance.
- Global production facilities.
- Supported by PPG's extensive technical resources.
- Other packaging, including smaller quantities of product, available upon request.
- Manufacturing facilities operate quality management systems that comply with ISO 9001:2008 requirements.

Packaging

- **Europe:**
  1,000 kg or 1,100 kg Big Bag
  1,000 kg Octabin
- **Americas:**
  1,000 kg Bulk Bag
  1,350 lb. Corrugated Carton
- **Asia:**
  900 kg or 1,000 kg Big Bag

PPG Fiber Glass

Expertise you trust. Solutions you demand.™

ChopVantage® Chopped Fiber Glass HP 3540

Product Information

Type of Fiber	E-Glass (ASTM D 578-98, Section 4.2.2)
Type of Sizing	Silane
Average Fiber Diameter	10µm
Standard Cut Length (mm)	3.2, 3.8 (varies by location)

Mechanical Properties

Tensile Testing (ISO 527)
PA6/PA66

Tensile Strength (MPa)	=	178/198
Tensile Modulus (GPa)	=	9.7/9.5
Tensile Elongation (%)	=	3.55/4.05

Charpy (ISO 179)
PA6/PA66

Charpy (unnotched) (kJ/m^2)	=	88/79

Glass Content by Weight	=	30%

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.

Storage

These products should be stored in a dry area with ambient temperature and relative humidity, optimally from 20°C to 25°C and between 50% and 70%, respectively. Protect product from all sources of water at all times. A First-In-First-Out (FIFO) stock control system is recommended to minimize the influence of storage conditions. Prior to use, products should be conditioned in the work area for a minimum of 24 hours. If contents of a package unit are partially used, the unit should be closed until the next use. With proper storage, there are no known limitations on the shelf life of the product. To insure optimal performance, retesting is recommended for products stored more than three years from the initial production date.

Caution

To avoid the possibility of potential injury, maintain column stability by limiting pallet stacking to two (2) high as noted on individual shipping containers.

NOTE: This data is offered for informational purposes only in the selection of a composite reinforcement. The information contained in this bulletin is based on actual laboratory data. We believe that this information is reliable, but do not guarantee its applicability to the process of the user or assume any liability arising out of its use or performance. The user, by accepting the products described, agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production. It is important for the user to determine the properties of its own commercial laminates when using this or any other reinforcement. ***Because of numerous factors affecting the results, we make no warranty of any kind, expressed or implied, including those of merchantability and fitness for a particular purpose. Statements in this document shall not be construed as representations or warranties or as inducements to infringe any patent or violate any law, safety code, or insurance regulation.***

Americas	ppgfiberglassamericas@ppg.com	1.800.613.0155
Europe	ppgfiberglasseurope@ppg.com	+31.598.313911
Asia	ppgfiberglassasia@ppg.com	+86.21.6091.8500
India	ppgfiberglassindia@ppg.com	+91.20.4011.1448

PPG Fiber Glass
Expertise you trust. Solutions you demand.™
www.ppgfiberglass.com

PPG Fiber Glass reserves the right to modify this document without prior notice.
© 2012 PPG Fiber Glass CHOPVANTAGE Fiber Glass_Product Bulletin CHOPVANTAGE HP 3540_12_2012_Rev2