



## TECHNICAL DATA SHEET

### ChopVantage® HP 3540

**Application:** *ChopVantage® HP 3540 is designed to reinforce various types of nylon resins, especially nylon 6 and nylon 6,6. Compatibility of ChopVantage® HP 3540 in PET offers the producer of both polyamide and PET compounds an opportunity to consolidate inventories of fiber glass products. ChopVantage® HP 3540 chopped strand also offers a combination of excellent dispersion and good mechanical properties in a phenolic resin.*

- **Compatibility with a wide range of resin systems:** nylons, PET, PC, PPS, styrenics
- **Wide range of versatility with respect to feeding and handling;** e.g. gravimetric, loss-in-weight, dense-phase conveying
- **Superior dry flow performance which contributes to high compounding rates, using both continuous feed and batch systems**
- **Provides an optimum balance of sizing functions**

#### PRODUCT DESCRIPTION

Type of Fiber	E-Glass (ASTM D 578-98, paragraph 4.2.2)
Fiber Diameter, nominal $\mu\text{m}$	10
Standard Cut Length	3.2 mm (1/8")

#### PROPERTY INFORMATION

Property <sup>a,b</sup>	Unit	Typical Values in Nylon 6/6	ASTM Method
Tensile Strength	MPa	179	D638
	ksi	26	
	kg/cm <sup>2</sup>	1827	
Flexural Strength	MPa	262	D790
	ksi	38.0	
	kg/cm <sup>2</sup>	2671	
Flexural Modulus	Gpa	9.0	D790
	Ksi	1300	
	kg/cm <sup>2</sup> x 10 <sup>-3</sup>	91.4	
Izod Impact	J/m	107	D256
	ft-lb/in	2.0	
	Kg-cm/cm	11	
Unnotched Impact	J/m	961	
	ft-lb/in	18.0	
	Kg-cm/cm	98	
Glass Content	% by wt.	33	D2584

- a. 48 hours conditioned  
 b. 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 granules. Values should be considered as guides only, which may vary due to processing differences.

**Storage:** These products should be stored at room temperature and at a relative humidity of 65% +/- 10%. To avoid problems with humidity or static electricity, the glass product should be conditioned in the working area prior to use.

**Caution:** To avoid the possibility of potential injury, maintain column stability by limiting pallet stacking to two high as noted on individual shipping container.