



# PPG Fiber Glass Europe

## ChopVantage® 3540

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

### USER BENEFITS:

- 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.
- Excellent performance in friction materials for application in brake linings and clutch systems.
- Provides an optimum balance of sizing functions.
- EU and FDA compliance for repeated-use food-contact applications.
- French and 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, $\mu\text{m}$	10
Standard Fiber Length	3 mm

### PRODUCT INFORMATION.

Property	Test Method	Unit	Polyamide 6	Polyamide 66
Tensile Strength	ISO 527	MPa	189	204
Tensile Modulus	ISO 527	GPa	9.5	10.3
Flexural Strength	ISO 178	MPa	278	310
Flexural Modulus	ISO 178	GPa	8.7	10.0
Charpy, unnotched	ISO 179	$\text{kJ/m}^2$	90	90
Charpy, notched	ISO 179	$\text{kJ/m}^2$	16	14
Izod, unnotched	ISO 180	$\text{kJ/m}^2$	80	85
Izod, notched	ISO 180	$\text{kJ/m}^2$	16	15
Glass Content	ISO 1172	wt%	31	32

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® 3540 is supplied in Octabins or Big Bags containing 1000 kg or 1100 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® 3540 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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