



# PPG Fiber Glass Europe

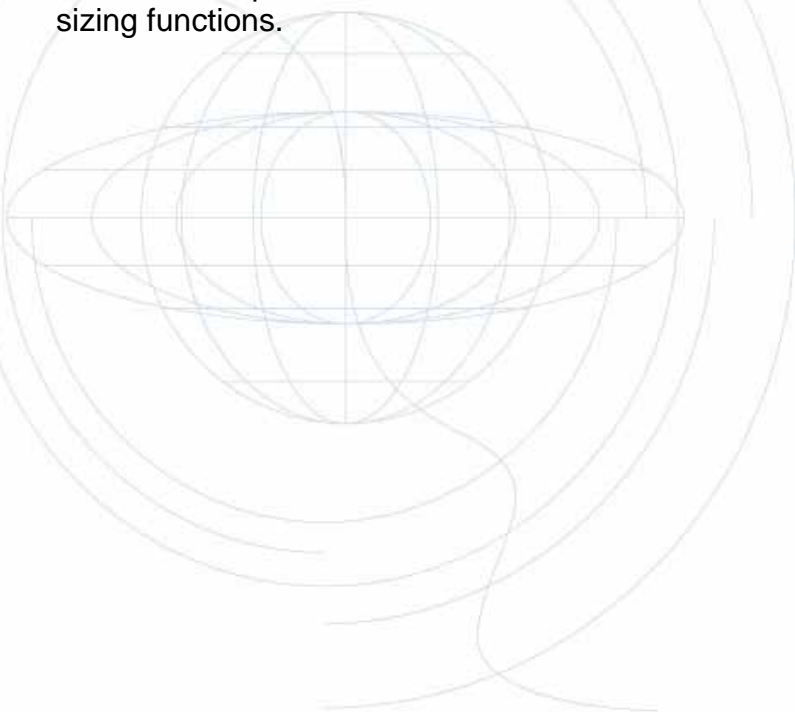
## ChopVantage® HP 3420

*ChopVantage® HP 3420* is designed for reinforcement of high performance engineering plastics, like PPS, PES, and PEEK, which are used for applications needing high temperature stability, dimension stability, high mechanical properties, and chemical resistance.

The small diameter in combination with the new sizing meets the needs in applications where maximum mechanical properties are required. End-use applications are found in Transportation, Electrical and Electronic appliances, Fluid handling and Medical appliances.

### USER BENEFITS:

- Exhibits high mechanical properties and good strength retention after dry heat aging.
- Excellent color characteristics.
- Superior glass flow performance which contributes to high compounding rates.
- Wide range of versatility with respect to feeding and handling.
- Provides an optimum balance of sizing functions.





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## ChopVantage<sup>®</sup> HP 3420

### PRODUCT DESCRIPTION.

Property	Description
Type of Fiber	E-Glass
Fiber Diameter, nominal, $\mu\text{m}$	10
Standard Fiber Length	4.5 mm

### PRODUCT INFORMATION.

Property	Test Method	Unit	PPS
Tensile Strength	ISO 527	MPa	203
Tensile Modulus	ISO 527	GPa	16.3
Flexural Strength	ISO 178	MPa	305
Flexural Modulus	ISO 178	GPa	15.4
Charpy, unnotched	ISO 179	$\text{kJ/m}^2$	50
Charpy, notched	ISO 179	$\text{kJ/m}^2$	8.9
Glass Content	ISO 1172	wt%	40

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<sup>®</sup> HP 3420 is supplied in Big Bags and Octabins containing 1,000 kg or 1,100 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<sup>®</sup> HP 3420 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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