



PPG Fiber Glass Europe

ChopVantage® HP 3660

ChopVantage® HP 3660 chopped strand is designed to reinforce a wide range of nylons and is intended for use in several cross-functional nylon applications. Superior whiteness, outstanding resistance to ethylene glycol-derived engine coolants and 'next generation' performance in impact modified resins have all been realized. ChopVantage® HP 3660 is ideal for under-the-hood cooling system components such as radiator end tanks, as well as intake manifolds incorporating coolant cross-over channels.

USER BENEFITS:

- Suitable for use in a wide range of nylons: 6, 6/6, 4/6, 6/10, 12, PPA.
- 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.
- Provides uniform dispersion during the compounding operation.
- The sizing system is tailored to provide uniform dispersion during the compounding operation.
- Provides an optimum balance of sizing functions.
- Excellent mechanical properties in impact modified systems.
- High fatigue resistance.
- High temperature resistance.
- Outstanding hydrolysis resistance in LLC systems.
- French and German Potable water contact compliance.
- FDA & EU compliance for repeated-use food-contact applications
- Please contact your PPG representative for more details





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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	PA6	PA66	PA66 ^a After Hydrolysis
Tensile Strength	ISO 527	MPa	190	200	117
Tensile Elongation	ISO 527	GPa	3.9	3.7	6.0
Flexural Strength	ISO 178	MPa	270	300	
Flexural Modulus	ISO 178	GPa	8.4	8.8	
Charpy, unnotched	ISO 179	kJ/m ²	95	90	
Charpy, notched	ISO 179	kJ/m ²	17	12	
Izod, unnotched	ISO 180	kJ/m ²	85	82	82
Izod, notched	ISO 180	kJ/m ²	17	12	
Glass Content	ISO 1172	wt%	31	31	31

^a 42 days in boiling mixture (60/40) of water and antifreeze

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 3660 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 3660 should preferably be stored at room temperature and at a relative humidity of 65% ± 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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