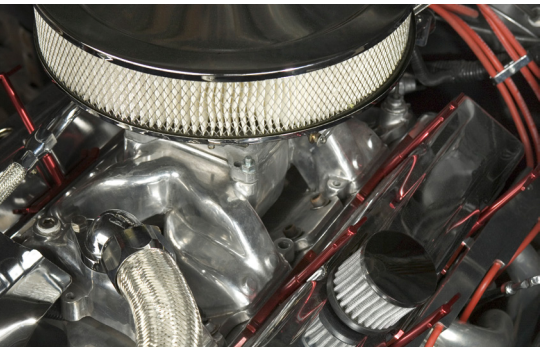
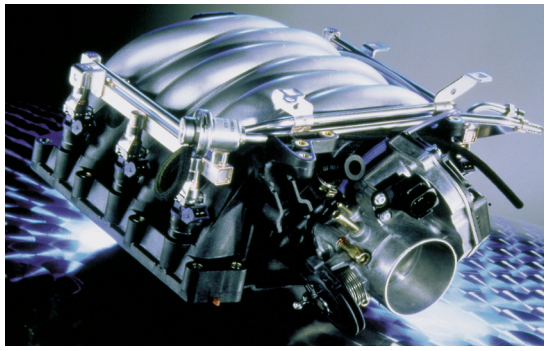
ChopVantage® HP 3610XM

Chopped Fiber Glass





Product Description

Thermoplastic Polyamide Resin Compatible

***CHOPVANTAGE* HP 3610XM** chopped strands from NEG are designed to reinforce a wide range of polyamide (PA) formulations. CHOPVANTAGE HP 3610XM chopped strands offer superior dry as molded properties, resistance to ethylene glycol based coolant systems and excellent performance in impact modified resins. The unique XM glass formulation utilized in this product provides highly desirable high fiber toughness as compared to traditional E-Glass that results in improved residual fiber length after molding thereby improving the physical properties of the molded system. The sizing in HP 3610XM is also designed to improve feeder flow characteristics, resin viscosity during compounding and improved molding performance.

User Benefits

- Suitable for a wide range of polyamide thermoplastic resin systems: PA6, PA66, PA46, PA610, and PA612.
- Low viscosity during compounding supports high throughput processes.
- Provides uniform dispersion during the compounding operation.
- Excellent design-in-forming capabilities in injection molding machines.
- Provides a unique combination of fiber glass batch and sizing performance.
- High hydrolysis resistance properties in several long life coolant (LLC) systems.
- Excellent mechanical properties in combination with environmentally-friendly flame retardants.
- U.S. Food and Drug Administration and EU 10/2011 compliance for repeated-use food contact applications.
- APE Free.
- Other packaging, including smaller quantities of product, available upon request.
- Manufacturing facilities operate quality management systems that comply with ISO 9001:2015 requirements.

Packaging

- 1,000 kg Bulk Bag
- 612 kg (1,350 lb.) Corrugated Carton

GLASS FOR FUTURE

Nippon Electric Glass

ChopVantage® HP 3610XM

Chopped Fiber Glass

Product Information

Type of Fiber	R-Glass ASTM C162-05 (2010)
Type of Sizing	**Silane**
Standard Cut Length (mm)	3.2
Average Fiber Diameter (µm)	10

Mechanical Properties

Tensile Testing (ISO 527)

PA66/PA6

Tensile Strength (MPa)	= 201/186
Tensile Modulus (GPa)	= 10.4/10.1
Tensile Elongation (%)	= 3.5/3.6
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 two 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.

More Information

http://www.neg.co.jp/inquiry/

http://www.neg.co.jp/en/inquiry/

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