

ChopVantage® HP 3273

Chopped Fiber Glass



Product Description

CHOPVANTAGE HP 3273 chopped strands from NEG are suitable for use in all polypropylene (PP) systems and have been developed for applications that require brilliant whiteness and high mechanical properties. The product is designed for components in the appliance market where color characteristics are critical. The new chemistry of CHOPVANTAGE HP 3273 chopped strands creates an excellent performance in hot, detergent-resistant applications.

User Benefits

- Compatible with a wide range of PP resin systems.
- Superior dry flow performance.
- Provides uniform dispersion during the compounding operation.
- Offers an excellent white color in natural grade compounds in combination with low yellowness.
- Excellent color stability in hot detergent testing and heat aging testing.
- Provides an optimum balance of sizing functions.
- Exceptional mechanical properties after hot detergent aging.
- APE Free, as well as compliant with French and German potable water contact regulations.
- U.S. Food and Drug Administration and EU 10/2011 compliance for repeated-use food contact applications.
- Supported by NEG's extensive technical resources.
- 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 or 1,100 kg Bulk Bag
- 1,100 kg Octabin

Product Information

Type of Fiber	E-Glass (ASTM D 578-05, Section 4.2.2)
Type of Sizing	Silane
Standard Cut Length (mm)	4.5
Average Fiber Diameter (µm)	13

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. To insure optimal performance, retesting is recommended for products stored more than one year 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.

NOTE: This data is offered for informational purposes only in the selection of a composite reinforcement. The information contained in this bulletin is based on actual laboratory data. We believe that this information is reliable, but do not guarantee its applicability to the process of the user or assume any liability arising out of its use or performance. The user, by accepting the products described, agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production. It is important for the user to determine the properties of its own commercial laminates when using this or any other reinforcement. *Because of numerous factors affecting the results, we make no warranty of any kind, expressed or implied, including those of merchantability and fitness for a particular purpose. Statements in this document shall not be construed as representations or warranties or as inducements to infringe any patent or violate any law, safety code, or insurance regulation.*

More Information

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

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

Mechanical Properties

Tensile Testing (ISO 527) Chemically Coupled PP^a

Tensile Strength (MPa) = 98
Tensile Elongation (%) = 3.0

Charpy (ISO 179) Chemically Coupled PP^a

Charpy (unnotched) (kJ/m²) = 56

Glass Content by Weight (%) = 30

^a 1.5 wt% Polybond 3200

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.

GLASS FOR FUTURE

