FIBREGLAST®

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1/4” Chopped Glass Fibers

Product Properties	
Type of Fiber	E-Glass (ASTM D 578-98, paragraph 4.2.2)
Fiber Diameter	13 micron
Type of Sizing	Silane
Cut Length	1/4” (6.4 mm)

Typical Laminate Mechanical Properties

Property	Unit	Thermoses Polyester		ASTM Method
		C-M	I-M	
Flexural Strength	Mpa	127	120	D790
Tensile Strength	Mpa	42	37	D638
Flexural Modulus	Gpa	10.5	10.5	D790
Izod Impact	J/m	374	230	D256
Reverse Impact	J/m	n/a	118	
Glass Content	% by wt.	25	25	D2584

These longer glass fibers are used to increase tensile and compressive properties of any resin, even concrete. This coarse mixture can strengthen castings and reinforce fillets in difficult to laminate areas of parts.

Features & Benefits

- Efficient, cost effective processing
- Good color characteristics permit pigmentation or color matching to specification
- Excellent mechanical properties
- Low thermoset resin demand contributes to minimum mixing time
- Superior strand integrity resists generation of fuzz or fines as the product passes through the feeding systems
- High compounding rates
- Sizing system is tailored to provide uniform dispersion during the compounding operation
- Used successfully in composite applications that meet FDA requirements.Good process ability

Mixing Directions

To mix, use 1 part #30 1/4” Chopped Glass Fibers to 15 parts resin. This ratio may be adjusted as needed. We recommend # 23 Thixotropic Silica as an additive to prevent sagging on vertical surfaces.

Storage

This product should be stored at room temperature and at a relative humidity of 66% +/- 10%. To avoid problems with humidity or static electricity, the glass product should be conditioned in the working area prior to use.

Safety & Handling

#30 1/4” Chopped Glass Fibers contain ingredients which could be harmful if mishandled. Contact with skin and eyes should be avoided and necessary protective equipment and clothing should be worn. Individuals should wash with soap and water before eating, drinking, or using toilet facilities. Individuals should observe conditions of good industrial hygiene and safe working practice. For more detailed instructions on handling please see the MSDS sheet.