

### Product Introduction

C3-AB Boron-free glass Chopped Strands are reinforcements designed for reinforcement of PBT and PC with good resin compatibility. These chopped strands are engineered in different diameters to better meet customer requirements. They are designed to improve dimensional stability at high temperatures, to better control the shrinkage of the molded part, and to improve tensile and flexural modulus and impact.

### Product Description

C3-AB Chopped Strands are manufactured from a collection of continuous glass filaments gathered into a single bundle. Higher performance chemistry is applied to optimize glass / matrix adhesion and provide excellent bundle integrity. The fiber bundles are then chopped into specific lengths, dried, screened, trace metals removed and packaged in reusable bags to meet your end-use requirements. The product is optimized to meet your cost and performance needs. To help ensure the quality of your products, the quality management programs of manufacturing course are certified as meeting the requirements of ISO 9001.

### Packaging

Super Sack: 1000kg (2204lbs), 1 Super Sack per 110cm × 110cm pallet.

Individual bag: 22.7kg (50lbs), 40 bags packaged on a pallet.

### Storage

Unless otherwise specified, it is recommended to store glass fiber products in a cool, dry area. Temperature should not exceed 35°C (95°F) and the relative humidity should be kept below 75%. Fiberglass products must remain in packaging material until just prior to its use. If these conditions are respected, the glass fiber product should not undergo significant changes when stored for extended periods of time.

### Stacking

To ensure safety and avoid damage to the product, super sack skids should not be stacked. Individual bags skids should not be stacked more than two high.

### Customer Benefits

- Excellent strand integrity, high bulk and low fuzz
- Superior dry-use flow-ability and easy control of glass loading
- Excellent temperature resistance, very low chromatism
- Even dispersion in the PC / PBT / PET resins
- Excellent performance in impact modified PC / PBT / PET systems
- Excellent performance of composites



## Product Data

ID Number	Filament Diameter (Microns)	Available Chop Lengths (inch)	Compatible Polymer	% Organic Solid (LOI)	% Moisture Content
C3-03G-AB	10	1/8	PC, PET, PBT	1.00 ± 0.20	≤ 0.05
C3-04G-AB	10	3/16	PC, PET, PBT	1.00 ± 0.20	≤ 0.05
C3-06G-AB	10	1/4	PC, PET, PBT	1.00 ± 0.20	≤ 0.05
C3-03K-AB	13	1/8	PC, PET, PBT	1.00 ± 0.20	≤ 0.05
C3-04K-AB	13	3/16	PC, PET, PBT	1.00 ± 0.20	≤ 0.05
C3-06K-AB	13	1/4	PC, PET, PBT	1.00 ± 0.20	≤ 0.05

## C3-AB Typical Laminate Mechanical Properties\*

Property	PP	ASTM Method
Tensile Strength (MPa)	140	D638
Flexural Strength (MPa)	220	D790
Flexural Modulus (MPa)	8100	D790
Impact Strength (Notch, KJ/m <sup>2</sup> )	12.0	D256
Glass Content (%)	30	
Cut Length (inch)	1/8	

\*1. Test matrix resin PBT

2. The values come from laboratory, there will be deviation caused by the resin system and production process.

3. Reference data only, not for technical specifications.

## Disclaimer of Liability

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