

## Chopped strand for PP Resins    T538G

### 【Product Description】

T538G is made by chopping E-glass fiber, coated with special silane-based sizing and designed for reinforcing PP resin systems in the processing of the extrusion compounding.

### 【Characteristics】

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  
 Excellent performance of composites  
 Excellent performance in heat aging and hot detergent resistance

### 【Product code】

Eg. EC13-4.5-T538G  
 EC E-glass chopped strands  
 13 filament diameter( um)  
 4.5 chopped length(mm)  
 T538G Sizing and product code

### 【Technical data】

| Product code | Sizing | chopped length (mm) | filament diameter (um) | LOI (%) | Moisture (%) |
|--------------|--------|---------------------|------------------------|---------|--------------|
| T538G        | Silane | 4.5                 | 13                     | 0.5     | ≤0.05        |

### 【Composites performance】

| Test item                                 | unit              | test value | test method   |
|---|-------------------|------------|---------------|
| Tensile strength                          | MPa               | 90         | ASTM D638     |
| Tensile strength (After hydrolysis)       | MPa               | 85         | ASTM D638     |
| Flexural strength                         | MPa               | 132        | ASTM D790     |
| Flexural modulus                          | MPa               | 5400       | ASTM D790     |
| IZOD notched impact                       | KJ/m <sup>2</sup> | 12.5       | ASTM D256     |
| IZOD non-notched impact                   | KJ/m <sup>2</sup> | 60.3       | ASTM D256     |
| IZOD non-notched impact(After hydrolysis) | KJ/m <sup>2</sup> | 46.6       | ASTM D256     |
| Fiber contents                            | %                 | 30         | ignition lost |

### Remark

1. Test matrix resin PP+5%Polybond 3200 and chopped strands EC13-4.5-T538G
2. Hydrolysis condition: 125h at 95°C in demin water.
3. The value come from laboratory, there will be deviation caused the resin system and production process

### 【Packaging】

Chopped strands is packed by PP bag, small carton or bulk bag. Each PP bag or small carton loading 20 or 25kg and each bulk bag loading 800-1000kg and put upright on the pallet. Pallets should not be stacked more than 2 layers.

### 【Storage】

The product should be stored in a dry, cool and rainproof place, with temperature from 5°C-35°C and humidity between 35%-65%. It is recommended to be put under room temperature for over 24 hours prior to use, finished within 12 months after receipt by customer and kept in intact package when not use to avoid damp.