

Chopped Strands

for thermoplastics

Taiwan Glass ind. Corp



Properties

- **Good strand integrity, dispersion and wet-out**
- **Excellent flowing and high compounding rate**
- **High mechanical properties**

TGI's chopped strands are obtained by assembling E-glass continuous fibers with a nominal diameter ranging from 10 to 13 microns (depending on grades and applications) and chopping them to a nominal length ranging from 3.2 mm up to 6.4mm. Sizing are specially designed for use with major resin systems.

Specifications

Reference	Resin system	Diameter (µm)	Fiber Length (mm)	Long fiber (%)	Loss of ignition (%)	Moisture content (%)	Alcali content (%)
TG492	PA	10	3.2/4.8	<1.99	1.10+/-0.16	<0.06	<0.8
TG473H	PA	11	3.2/4.8	<1.99	0.76+/-0.20	<0.06	<0.8
TG473	PA	13	3.2/4.8	<1.99	0.63+/-0.20	<0.06	<0.8
TG457	PP	13	3.2/4.8	<1.99	0.90+/-0.15	<0.06	<0.8
TG144A	PP	13	3.2/4.8	<1.99	0.90+/-0.20	<0.06	<0.8
TG183E	PET/PBT	13	3.2/4.8	<1.99	0.70+/-0.15	<0.06	<0.8

Note that all above chopped strands are in-line chopped, except TG492 which are off-line chopped.

Packaging

TGI's chopped strands are packed as follow :

- **600 kg container bags :**
Each 20' container holds 20 bags strapped individually on wooden pallets (total 12,000kg)
- **1,200 kg octabins:**
Each 20' container holds 10 octabins strapped on individual pallets (total 12,000kg)

Storage

TGI's chopped strands should be stored in their original packaging.

The temperature should not exceed 35 degrees C and the relative humidity should be kept below 70 %.

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