



Chopped Strands 542 for Liquid Crystal Polymer (LCP)

Chopped Strands 542 for thermoplastics are coated with a silane-based sizing, compatible with Liquid Crystal Polymer (LCP) resin. 542 is designed for extrusion and injection molding processes. It is typically used in the electrical industry for manufacturing high temperature resistance parts.

SPECIFICATIONS

Type of Glass
E-Glass (E)

Type of Fiberglass
Chopped Strands (CS)

Chop Length
4.5 mm

Filament Diameter
11 microns

Most Common Sizes
ECS11-4.5-542

FEATURES

- Excellent high temperature resistance
- Excellent mechanical properties
- Excellent strand integrity
- Good flowability
- Low fuzz
- Low static

RESIN COMPATIBILITY

- Liquid Crystal Polymer (LCP)

USES

- Electrical industry

TECHNICAL PARAMETERS

Filament Diameter (%)
ISO 1888
± 10

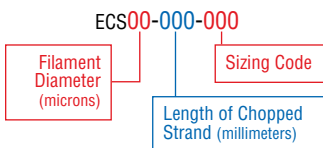
Moisture Content (%)
ISO 3344
≤ 0.10

Size Content (%)
ISO 1887
0.30 ± 0.15

Chop Length (mm)
Q/JS J0361
± 1.0

Choppability (%)
≥ 98

CHOPPED STRAND NOMENCLATURE

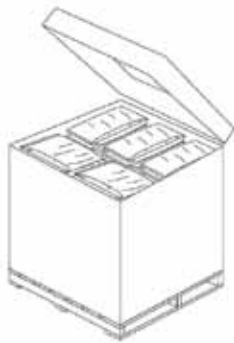


PACKAGING STORAGE

Chopped Strands 542 for Liquid Crystal Polymer (LCP)



Bulk Bag



Heavy-duty box



Composite plastic woven bags

PACKAGING

Chopped strands can be packaged in bulk bags, heavy-duty boxes or composite plastic woven bags. For example: Bulk bags can hold 900-1000 kg each. Cardboard boxes and Composite plastic woven bags can hold 15-25 kg each.

Bulk Bag:

Length	1030 mm (40.55 in)
Width	1030 mm (40.55 in)
Height	1000 mm (39.4 in)

Heavy-duty box:

Length	1120 mm (44 in)
Width	1120 mm (44 in)
Height	1050 mm (41.3 in)

Composite plastic woven bag:

Length	850 mm (33.46 in)
Width	500 mm (19.68 in)
Height	120 mm (4.72 in)

STORAGE

Unless otherwise specified, fiberglass products should be stored in a dry, cool and moisture-proof area. Room temperature and humidity should always be maintained at 15°C – 35°C, 35% – 65% respectively.

Best used within 12 months after production date. Fiberglass products should remain in their original packaging until just prior to use.