



SAMRAT POLY RESINS

Manufacturer of Coating & Composite Resins · Doraha, Ludhiana, Punjab, India

TECHNICAL DATA SHEET

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GLASS FIBER (CHOPPED STRAND MAT)

E-Glass Reinforcement for FRP Composites · 300 & 450 g/m² · Polyester Sizing

PRODUCT DESCRIPTION

Glass Fiber is an E-glass chopped strand mat reinforcement used together with polyester resin to form FRP composites. It acts as the structure that the resin binds together, providing rigidity, strength and shape to the final product. Supplied in industrial-grade rolls with polyester sizing for good resin compatibility, it is widely used across marine, automotive and construction applications, with fast curing and good chemical resistance once wet out.

KEY FEATURES

- E-glass chopped strand construction
- 300 g/m² and 450 g/m² weights available
- 1040 mm roll width, polyester sizing
- Fast wet-out, good chemical resistance once cured
- High tensile strength, excellent reinforcement

RECOMMENDED APPLICATIONS

- Reinforcement for FRP laminates
- Marine, automotive and construction composites
- Boats, water tanks and cooling towers
- Moulded fibreglass parts

TYPICAL TECHNICAL PROPERTIES

Product Type	Glass fiber reinforcement for FRP
Glass Type	E-glass
Form	Chopped strand
Grade Standard	Industrial grade
Area Weight (GSM)	300 g/m ² and 450 g/m ²
Fiber Length	50 mm
Sizing Type	Polyester-compatible sizing
Roll Width	1040 mm
Binder Compatibility	Unsaturated polyester resin, vinyl ester resin & epoxy resin systems
Tensile Strength	≥ 2000 MPa
Moisture Content	≤ 0.10%
Roll Weight / Length	30 kg/roll
Shelf Life	24 months
Storage	Store in a cool, dry place away from moisture and direct sunlight
Packaging	Roll
Minimum Order Quantity	500 kg

SAFETY & HANDLING

Follow standard industrial safety practices when handling this product, including appropriate personal protective equipment and adequate ventilation. Refer to the applicable Safety Data Sheet (SDS) where available.

Disclaimer: The information above is based on data published by the manufacturer at the time of issue and is believed accurate. Values shown are typical and are not to be interpreted as guaranteed specifications; properties may vary within normal manufacturing tolerances between batches. Users are responsible for determining suitability for their intended application and should confirm current specifications directly with Samrat Poly Resins prior to use.