



FIBERGLASS EPOXY RESIN

Epoxy Resin System · Fibreglass Reinforcement & Lamination · General Purpose Grade

PRODUCT DESCRIPTION

Fiberglass Epoxy Resin is a premium-quality epoxy resin specially formulated for fibreglass reinforcement, composite manufacturing, lamination and structural applications. Low-viscosity and room-temperature curing, it offers outstanding mechanical strength, superior adhesion, excellent wet-out of fibreglass fabrics and exceptional chemical resistance.

KEY FEATURES

- Low viscosity for excellent fabric wet-out
- Room-temperature cure
- Outstanding mechanical strength and adhesion
- Exceptional chemical resistance

RECOMMENDED APPLICATIONS

- Boat building and marine components
- Wind turbine components
- Construction, electrical and automotive FRP laminates

TYPICAL TECHNICAL PROPERTIES

Resin Type	Epoxy
Grade	General purpose grade
Curing Methods	Room-temperature cure
Processing Methods	Hand lay-up, lamination
Key Characteristics	Low viscosity, outstanding mechanical strength & adhesion, excellent chemical resistance
Chemical Resistance	Excellent resistance to water, acids, alkalis & solvents
Viscosity	700 cPs (at 25 °C)
Gel Time	35–45 minutes (at 25 °C)
Styrene Content	Not applicable
Catalyst / Dosage	Amine hardener (mix ratio 2:1 by weight)
Specific Gravity / Density	1.15 g/cm³
HDT / Thermal Data	75 °C
Flash Point	> 100 °C
Shelf Life	12 months (unopened)
Storage Temperature	20–30 °C, store in a cool, dry place
Packaging	20 kg pack
Minimum Order Quantity	100 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.