



SAMRAT POLY RESINS

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

TECHNICAL DATA SHEET

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BISPHENOL RESIN

Bisphenol-Based Resin System · Strength, Clarity & Chemical Resistance · Premium Grade

PRODUCT DESCRIPTION

Bisphenol Resin is a premium-quality bisphenol-based resin for high-performance industrial and composite applications requiring exceptional mechanical strength, superior chemical resistance and excellent adhesion. It offers outstanding durability, low shrinkage, excellent electrical insulation and resistance to moisture, solvents and corrosive chemicals, with excellent wet-out of fibreglass reinforcements.

KEY FEATURES

- Outstanding durability and low shrinkage
- Excellent electrical insulation
- Resists moisture, solvents and corrosive chemicals
- Excellent wet-out of fibreglass reinforcements
- Crystal-clear, low-viscosity liquid for easy processing

RECOMMENDED APPLICATIONS

- Laminating and FRP composites
- Industrial flooring and protective coatings
- Electrical encapsulation, tooling and structural bonding
- High-end casting and coating applications

TYPICAL TECHNICAL PROPERTIES

Resin Type	Bisphenol A & epichlorohydrin based (thermosetting)
Grade	Premium grade
Curing Methods	Room-temperature cure with amine hardener
Processing Methods	Laminating, casting, coating, encapsulation
Key Characteristics	Outstanding durability, low shrinkage, excellent electrical insulation, high adhesion, low-viscosity liquid
Chemical Resistance	Excellent resistance to moisture, solvents, acids, alkalis & industrial chemicals
Viscosity	600 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	1.10 g/cm ³ (at 25 °C)
HDT / Thermal Data	80 °C (fully cured)
Flash Point	> 100 °C
Shelf Life	12 months (unopened)
Storage Temperature	20–30 °C, store in a cool, dry place away from direct sunlight
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.