



TECHNICAL DATA SHEET

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LAMINATION RESIN (LR RESIN)

General-Purpose Unsaturated Polyester Resin · Transparent · Lamination & Hand Layup

PRODUCT DESCRIPTION

Lamination Resin (LR Resin) is a transparent, general-purpose unsaturated polyester resin used where a clear, glossy finish is required. Versatile and widely used for high-quality clear coatings, composite parts and castings, it offers a clear, glass-like finish that can be left transparent to showcase underlying materials or pigmented as needed, with a 5-minute gel time and good wet-out over large areas. It cures at room temperature, and can also be cured with heat, UV or a chemical accelerator.

KEY FEATURES

- Clear, glass-like transparent finish
- Can be pigmented or left fully transparent
- Cures at room temperature; heat, UV or accelerator optional
- Good wet-out for lamination and hand layup
- Gel time 5 minutes

RECOMMENDED APPLICATIONS

- Clear coatings and castings
- Lamination and hand layup work
- Decorative composite parts

TYPICAL TECHNICAL PROPERTIES

Resin Type	Polyester (unsaturated), transparent
Curing System	Room-temperature cure; also cures with heat, UV or chemical accelerator
Physical Form	Liquid
Colour / Appearance	Transparent
Viscosity	400 cPs
Gel Time	5 minutes
Styrene Content	35%
Purity	100%
Specific Gravity / Density	1.12 g/cm ³ at 25 °C
Cure Time	30 minutes – 1 hour
Hardener Recommendation	MEKP 1.5% and Cobalt Octoate 0.4%
Flash Point	32 °C, closed cup
Shelf Life	3 months
Storage Temperature	30–35 °C
Packaging	35 kg / 225 kg drum
Minimum Order Quantity	1,000 kg

Fields marked “Not Provided” are pending confirmation with technical staff and will be issued in a revised sheet. No value is estimated or assumed.

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.