



TECHNICAL DATA SHEET

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SHEET GRADE YELLOW RESIN

Pre-Pigmented Unsaturated Polyester Resin · Orthophthalic · Sheet Moulding & Lamination

PRODUCT DESCRIPTION

Sheet Grade Yellow Resin is a pre-pigmented polyester resin formulated for sheet moulding and laminate applications where consistent colour, surface finish and mechanical properties are critical. Factory-mixed with high-quality yellow pigment for uniform colour throughout the sheet, it is optimised for lamination and compression moulding to give a smooth, bubble-free finish with minimal porosity and excellent fibre wet-out.

KEY FEATURES

- Pre-pigmented in yellow for uniform colour throughout
- Bubble-free and UV-resistant, holds colour over time
- Optimised for lamination and compression moulding
- 60-minute pot life, cures in around 12 hours
- Excellent fibre wet-out, minimal porosity

RECOMMENDED APPLICATIONS

- FRP sheets and roofing panels
- Decorative panels and electrical enclosures
- Washroom partitions and construction formwork
- Laminates and moulded components

TYPICAL TECHNICAL PROPERTIES

Resin Type	Unsaturated polyester (orthophthalic acid & styrene monomer based)
Grade	General purpose, pre-pigmented (yellow)
Physical Form	Liquid
Colour	Yellow
Viscosity	280 cPs
Pot Life	60 minutes
Curing Time	12 hours
Gel Time	6.5 minutes
Key Characteristics	Bubble-free finish, UV resistant, holds colour over time
Curing System	Non-accelerated; MEKP with cobalt octoate accelerator; room-temperature cure
Styrene Content	35%
Catalyst / Dosage	MEKP 1.5% and Cobalt Octoate 0.4%
Specific Gravity / Density	1.12 g/cm ³ at 25 °C
Flash Point	32 °C, closed cup
Shelf Life	2 months
Storage Temperature	30–35 °C
Packaging	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.