



GP YELLOW RESIN

General-Purpose Orthophthalic Unsaturated Polyester Resin · Transparent Yellow · Industrial Grade

PRODUCT DESCRIPTION

GP Yellow Resin is an orthophthalic-based, general-purpose unsaturated polyester resin with a transparent yellow appearance, engineered for high-quality FRP manufacturing. It offers excellent glass fibre wet-out, good mechanical strength, good chemical resistance and excellent processing characteristics, with consistent batch-to-batch performance under a non-accelerated, MEKP-cured system.

KEY FEATURES

- Transparent yellow appearance, good clarity
- Excellent glass fibre wet-out and flow
- High mechanical strength, good chemical resistance
- Easy processing, low air entrapment during mixing
- Suitable for general-purpose FRP manufacturing
- Non-accelerated cure, compatible with MEKP systems

RECOMMENDED APPLICATIONS

- FRP water tanks and cooling towers
- Roofing sheets and door skins
- Hand lay-up and spray-up processes
- General moulded FRP products
- Composite fabrication

TYPICAL TECHNICAL PROPERTIES

Resin Type	Orthophthalic, Unsaturated Polyester
Curing System	Non-accelerated
Physical Form	Liquid
Colour / Appearance	Transparent Yellow
Viscosity	450–600 cPs @ 25°C
Gel Time	10–15 minutes
Styrene Content	34–38%
Purity	99%
Specific Gravity / Density	1.10–1.14 g/cm³
Cure Time	60–90 minutes
MEKP Dosage	1.5%
Cobalt Octoate Dosage	0.3–0.5%
Shelf Life	3 months (225 kg drum) / 2 months (PET packaging)
Storage Temperature	25–30 °C
Packaging	225 kg Drum
Minimum Order Quantity	1,000 kg

All values above are chemist-verified. Thixotropy and Flash Point are not part of the standard specification set for this product and are intentionally excluded.

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.