



GP CLEAR RESIN

General-Purpose Unsaturated Polyester Resin · Orthophthalic · Crystal-Clear, High-Gloss

PRODUCT DESCRIPTION

GP Clear Resin is an orthophthalic-based, general-purpose unsaturated polyester resin engineered for crystal-clear, high-gloss FRP manufacturing. It offers excellent wet-out for superior reinforcement impregnation, high mechanical strength, good chemical resistance, and consistent batch-to-batch performance, with a fast sub-8-minute gel time under a non-accelerated cure system.

KEY FEATURES

- Crystal-clear finish, excellent transparency and high gloss
- Excellent wet-out for superior flow and impregnation
- High mechanical strength, good chemical resistance
- Easy processing, low air entrapment during mixing
- Fast gel time (< 8 min), non-accelerated cure

RECOMMENDED APPLICATIONS

- Water tanks, cooling towers, roofing sheets
- Door skins and panel lamination
- Hand layup and spray-up processes
- Moulding and general-purpose FRP products

TYPICAL TECHNICAL PROPERTIES

Resin Type	Orthophthalic, unsaturated polyester
Curing System	Non-accelerated
Physical Form	Liquid
Colour / Appearance	Clear
Viscosity	350–450 cPs
Gel Time	< 8 minutes
Styrene Content	33–40%
Purity	99%
Cure Time	45 minutes – 1.5 hours
MEKP Dosage	1.5%
Cobalt Octoate Dosage	0.4%
Shelf Life	3 months (drum) / 2 months (PET packaging)
Storage Temperature	30–35°C
Packaging	225 kg drum
Minimum Order Quantity	1,000 kg

All values above are chemist-verified. Specific Gravity / Density, 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.