



# GP WHITE RESIN

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

## PRODUCT DESCRIPTION

GP White 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.