

Technical Data Sheet (TDS)

TAF UP-2100 P/RTM

Unsaturated Polyester Resin "UPR"

TAF Isophthalic Resin P/RTM
"Resin Transfer Molding (RTM)"



DESCRIPTION

TAF UP-2100 P/RTM is a low viscosity nonthixotropic Unsaturated Polyester Resin based on Isophthalic Acid. It exhibits good mechanical and electrical properties together with good chemical resistance compared to general purpose resins.



APPLICATIONS

- **RTM & Infusion:** Ideal choice for Resin Transfer Molding process and infusion applications.
- **Chemical Equipment:** Glass reinforced chemical process equipment, storage tanks, tankers, ducting and hoods for handling chemicals at ambient temperature.
- **Marine & Sanitary:** Making molds, boats, bathtubs and potable water tanks.
- **Automotive:** Vehicle parts and water slide production.



PROPERTIES

Property	Value
Appearance	Pinkish Liquid
Flash Point	34 °C
Viscosity @ 25°C (Brookfield Sp.2, 20 rpm)	100 – 200 cPs
Specific Gravity @ 20°C	1.10 – 1.11 g/cc

Acid Value	15 ± 5 mgKOH/g
Volatile Content	46 ± 2 %

TAF UP-2100 P/RTM Can be adjusted based on the customer's request



SHELF LIFE & STORAGE

- **Shelf life:** Guaranteed for 4 months from the date of manufacture when stored under recommended conditions.
- **Storage Conditions:** Store in securely closed containers at 15–25°C, not exceeding 30°C. Keep away from direct sunlight and moisture to avoid premature gelling and turbidity



PACKING OPTIONS

- 20 MT Tanker • 1000 kg IBC Tank
- 225 kg Metallic Drum
- 25 kg, 10 kg, and 5 kg containers



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