

## 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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