

PRODUCT CODE: C200334

Polyplex Industrial Grade Resin is an unsaturated polyester resin intended for general purpose applications. Polyplex Industrial Grade Resin is thixotropic and pre-promoted and is designed for hand lay-up and spray-up laminating applications.

FEATURES

- Medium gel and positive cure characteristics.
- Low viscosity under high shear with high thixotropy.
- Colour change mechanism.

BENEFITS

- Suitable for general laminating
- Excellent sprayability. Rapid glass wet-out with minimal drainage on inclined surfaces.
- Indicates presence of initiator.

TYPICAL LIQUID RESIN PROPERTIES

PROPERTY	TYPICAL VALUE	TEST DETAILS
Appearance	Hazy blue liquid	
Viscosity	1500 – 2000 cP 170 – 210 cP	Brookfield LVT sp.2/12 rpm Cone and Plate
Geltime	27 - 33 minutes	1% MEKP Curox NR20
Density	1.10 gcm ⁻³	
Flash Point	31°C	Setaflash
Styrene Content	43 - 46%	
Shelf Life	6 months (when stored in original closed container, in the shade)	

TYPICAL CAST UNFILLED RESIN PROPERTIES

PROPERTY	TYPICAL VALUE	TEST DETAILS
Hardness	40 - 45	Barcol (GYZ 934-1) EN 59
Density	1.19 gcm ⁻³	ISO R1183
Volume Shrinkage	7-8%	ISO 3521

STORAGE AND HANDLING

To ensure maximum stability and maintain optimum resin handling properties, polyester resins should be stored in closed containers, away from heat sources and sunlight. The resin should be stored away from all sources of ignition. Stored resin quantities should be kept to a reasonable minimum and used on a first in/first out stock rotation basis. Prolonged storage, or unfavourable storing conditions, may cause separation, therefore agitation of the resin before use is recommended.

STANDARD PACKAGING

Mild steel drums (225kg)

Always refer to the MSDS before use.