

### 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<br>170 – 210 cP                                    | Brookfield LVT sp.2/12 rpm<br>Cone and Plate |
| Geltime         | 27 - 33 minutes   | 1% MEKP Curox NR20                           |
| Density         | 1.10 gcm <sup>-3</sup>  |  |
| 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 <sup>-3</sup> | 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.