

PRODUCT CODE: C220022

POLYPLEX FLEXIBLE WXD CASTING RESIN is a pre-promoted, low reactivity, flexible polyester resin, designed for filled casting applications. The resin has been formulated especially for the reinforcement of thermoformed acrylic mouldings with filled castings. It is pre-promoted for room temperature cure with methyl ethyl ketone peroxide (MEKP) initiators. This resin is non-thixotropic and contains paraffin wax to reduce surface tack of cured castings.

FEATURES

- Low viscosity resin
- Flexible castings
- Low exotherm cure characteristics following gelation
- Good adhesion to thermoformed acrylic sheet

BENEFITS

- Accepts high loadings of mineral fillers such as calcium carbonate
- High resiliency castings are not subject to brittle fracture
- Reduced tendency towards shrinkage problems in thick cast sections
- No delamination

TYPICAL LIQUID RESIN PROPERTIES

PROPERTY	TYPICAL VALUE	TEST DETAILS
Appearance	Hazy. Pink/Purple Liquid	
Viscosity	320 - 360 cPs	Brookfield RVT sp.3/100 rpm
Geltime	8 - 10 minutes	(1% MEKP Interox NR20)
Density	1.10 gcm ⁻³	
Flash Point	31C	
Volatile Content	35 – 38%	
Shelf Life	6 months	Stored in original closed container in shade

Typical values: Based on materials tested in our laboratories, but varies from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

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.

STANDARD PACKAGING

Mild steel drums (225kg)

Always refer to the MSDS before use