

PRODUCT CODE: C220023

Polyplex Flexible Iso Resin is a low reactivity, medium viscosity, fully flexible, isophthalic based unsaturated polyester resin. The resin is typically used in the production of flexible castings, and filled Auto-patching putties.

Polyplex Flexible Iso Resin may also be used to modify rigid resins to improve impact resistance, minimise stresses and reduce shrinkage.

Polyplex Flexible Iso Resin is unpromoted, non-thixotropic and wax-free.

FEATURES

- Unpromoted
- Excellent metal adhesion
- Low exotherm
- Cured castings are flexible

BENEFITS

- Gel and cure properties can be varied using MEKP/Cobalt or Benzoyl Peroxide/DMA cure systems
- Suitable for manufacture of auto-patch putty compounds
- Reduced tendency towards exotherm cracking in castings during cure
- High resiliency castings are not subject to brittle fracture

TYPICAL LIQUID RESIN PROPERTIES

PROPERTY	TYPICAL VALUE
Appearance	Clear pale yellow liquid
Viscosity Gardner-Holdt	U-V
Geltime (100g resin, 0.5g Cobalt Octoate 6%, 1ml MEKP Curox NR20 (minutes)	20 – 30
Density	1.10gcm ⁻³
Styrene Content	29 – 31%
Flash Point (Setaflash)	31°C
Shelf Life	6 months (when stored in original closed container in the 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.