

PRODUCT CODE: C240209

POLYPLEX 1472 INFUSION RESIN 25 is a pre-promoted, terephthalic polyester resin suitable for vacuum infusion moulding applications.

### PERFORMANCE CHARACTERISTICS

- Low viscosity
- Rapid fibre wet-out
- Excellent mould flow properties
- High Distortion Temperature (HDT)

### TYPICAL LIQUID RESIN PROPERTIES

PROPERTY	TYPICAL VALUE	TEST DETAILS
Viscosity	2 – 3P	Cone and Plate Viscosity at 25°C (Poise)
Geltime (minutes)	20 – 25	Reactivity @ 25°C, 1% Butanox M-50
Monomer Content (%w/w)	44 – 46	
Shelf Life	6 months	When stored in 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.

### TYPICAL CAST UNFILLED RESIN PROPERTIES

PROPERTY	TYPICAL VALUE	TEST DETAILS
Hardness	35	Barcol (GYZ 934-1) EN 59
Tensile Strength	60 (MPa)	ISO R527
Flexural Strength	130 (MPa)	ISO 178
Flexural Modulus	3.7 (GPa)	ISO 178
Elongation at break	2.0%	ISO R527
Heat Distortion Temperature	98°C (@ 1.82 MPa)	ISO 175 (1.8 MPa)

Cast resin was prepared as laid down in BS 3532 using 1% MEKP. Cured at room temperature for sixteen hours then post cured for two hours at 80°C followed by two hours at 100°C.

### 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.