

## PRODUCT CODE: C260047

HETRON 922 INFUSION RESIN is a low viscosity, promoted epoxy vinyl ester resin designed for manufacture of marine and structural parts by the infusion moulding process.

### PERFORMANCE CHARACTERISTICS

- Excellent corrosion resistance
- Excellent impact strength
- High tensile elongation
- Exotherm control

### TYPICAL LIQUID RESIN PROPERTIES

|   |              |
|---|--------------|
| Appearance  | Clear liquid |
| Geltime @ 25°C, minutes<br>1.5% w/w Butanox M50                                     | 42 - 47      |
| Viscosity @ 25°C, centipoise<br>Brookfield RVT 3/50                                 | 350 - 450    |
| Solids Content, %   | 54 - 56      |
| Shelf Life (ambient temperature and stored away from any heat sources and sunlight) | 3 months     |

### 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 – 210kg  
Mild Steel Pails – 20kg  
Always refer to the MSDS before use

### OTHER VERSIONS

C260046 – Hetron 922 Infusion Resin  
20 to 25 minutes gel time using 2.0% BUTANOX M50

### TYPICAL CAST UNFILLED RESIN PROPERTIES - POSTCURED

|   |                    |            |
|---|--------------------|------------|
| Heat Deflection Temperature   | 105°C              | ISO 175    |
| Barcol Hardness (934-1)   | 30                 | ASTM D2583 |
| <b>Tensile Properties:</b><br>Tensile Strength<br>Elongation at Break | 85 MPa<br>6.7%     | ISO 527-2  |
| <b>Flexural Properties:</b><br>Flexural Strength<br>Flexural Modulus  | 140 MPa<br>3.4 MPa | ISO 178    |

Cast resin was prepared using 1% BPO and postcured for 2 hours at 70°C followed by one hour at 90°C and two hours at 140°C.