

### PRODUCT CODE: C260071

ULTRATEC INFUSION RESINS are low viscosity, promoted epoxy vinyl ester resins designed for manufacture of marine and other structural parts using the vacuum infusion moulding process.

### PERFORMANCE CHARACTERISTICS

- Excellent corrosion resistance
- Excellent impact strength
- High tensile elongation
- Reduced foaming – when used with Norox 925H catalyst
- Exotherm control

### ADDITIONAL INFORMATION

Recommended MEKP Catalysts: Norox 925H, Butanox M50

### TYPICAL LIQUID RESIN PROPERTIES

| PROPERTY  | TYPICAL VALUE |
|---|---------------|
| Appearance  | Clear Liquid  |
| Geltime @ 25°C (minutes)  | 45 - 50       |
| Viscosity @25°C, centipoise   | 140 - 160     |
| Solids Content, %   | 60 - 62       |
| Shelf Life (ambient temperature and stored away from any heat sources and sunlight) | 3 months      |

### TYPICAL CAST UNFILLED RESIN PROPERTIES

| Test                        | Result  | Test Method |
|-----------------------------|---------|-------------|
| Heat Deflection Temperature | 130°C   | ISO 175     |
| Barcol Hardness (934-1)     | 30-40   | ASTM D2583  |
| <b>Tensile Properties</b>   |         |             |
| Tensile Strength            | 78 MPa  | ISO 527-2   |
| Elongation at Break         | 4.5%    |             |
| <b>Flexural Properties</b>  |         |             |
| Flexural Strength           | 137 MPa | ISO 178     |
| Flexural Modulus            | 3.7 GPa |             |

Cast resin was prepared by curing the unpromoted Viopal 4838 base at ambient temperature using 0.1% Cobalt Octoate 10% and 1.5% Butanox M50 MEKP. Following 24 hour ambient temperature cure, the casting was postcured at 120°C for 3 hours.

### 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.