

CHEMICAL RESISTANT

Resin Characteristics

Isophthalic unsaturated polyester resin
Medium reactivity – Medium viscosity

Versions

Thixotropic (T)
Preaccelerated (P)
Blue Indicator (B)
Low Styrene Emission (L)

Molding Technique

Hand Lay-up
Spray-up
Filament winding

End Products

Chemical resistant parts, storage tanks,
boats, marine parts

Remarks

Good chemical resistance
Good compatibility with fiber

Liquid Properties

| | | |
|------------------------|---------|---------|
| Viscosity ¹ | 400-600 | cp |
| Solid Content | min. 55 | % |
| Acid Value | max. 20 | mgKOH/g |
| Gel Time ² | 10-20 | minutes |

¹ 25°C, sp4 50

² 25°C, 1ml 1% Co solution, 1ml Butanox M60 per 100g resin

Mechanical Properties of Non Reinforced Clear Castings³

| | | | |
|---------------------|------|--------|---------|
| Tensile Strength | 70 | Mpa | ISO 527 |
| Elongation at Break | 2.5 | % | ISO 527 |
| Tensile Modulus | 3300 | Mpa | ISO 527 |
| Flexural Strength | 120 | Mpa | ISO 178 |
| Flexural Modulus | 3400 | Mpa | ISO 178 |
| HDT | 90 | °C | ISO 75A |
| Hardness | 40 | Barcol | 934-1 |

³ Samples post cured 3 hours at 80°C and 1 hour at 100°C.

Stability

The resin is stable for 6 months if stored in original packaging in a dry, well ventilated area away from direct sunlight. The storage temperature must not exceed 25°C.

Packaging

Available in
Bulk
1000kg IBC
220kg Drums
18kg Cans

Note

Please contact our technical staff to have more information on the chemical resistance data.