

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

High mechanical properties
Good chemical resistance
Hydrolysis resistance

Liquid Properties

Viscosity ¹	400-500	cp
Solid Content	min. 55	%
Acid Value	max. 20	mgKOH/g
Gel Time ²	10-20	minutes
Peak Exotherm	175-195	°C

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	80	Mpa	ISO 527
Elongation at Break	3.5	%	ISO 527
Tensile Modulus	3600	Mpa	ISO 527
Flexural Strength	140	Mpa	ISO 178
Flexural Modulus	3600	Mpa	ISO 178
HDT	85	°C	ISO 75A
Hardness	40	Barcol	934-1

³ Samples post cured 5 hours 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.