

TECHNICAL DATA SHEET

Resin Characteristics

Isophthalic unsaturated polyester resin
Medium reactivity – Medium viscosity
UV stabilized

Versions

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

Molding Technique

Hand Lay-up
Spray-up
Filament winding

End Products

Parts that will be exposed to mild chemical environment, storage tanks, boats, marine parts

Remarks

Good chemical resistance
Contains UV absorbers
Good compatibility with fiber
Good elongation

Liquid Properties

Viscosity ¹	450-650	cp
Solid Content	60-65	%
Acid Value	15-25	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	3.5	%	ISO 527
Tensile Modulus	3100	Mpa	ISO 527
Flexural Strength	125	Mpa	ISO 178
Flexural Modulus	3200	Mpa	ISO 178
HDT	85	°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.

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