

TECHNICAL DATA SHEET

Resin Characteristics

Isophthalic unsaturated polyester resin
Medium reactivity – Medium viscosity

Versions

UV resistance (Light Stabilized)

Molding Technique

Filament Winding
Hand Lay-Up

End Products

Chemical resistant pipe production with filament winding technology.
Storage tanks and industrial part requiring chemical resistance, marine equipment

Remarks

Fast wet out
Good mechanical properties
Good elongation
Good chemical resistance

Liquid Properties

Viscosity ¹	300-700	cp
Solid Content	58-64	%
Acid Value	max. 15	mgKOH/g
Gel Time ²	10-20	minutes
Peak Exotherm	170-190	°C

¹ 25°C, Brookfield, sp4 50

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

Mechanical Properties of Non Reinforced Clear Castings³

Tensile Strength	75	Mpa	ISO 527
Elongation at Break	3.5	%	ISO 527
Tensile Modulus	3600	Mpa	ISO 527
Flexural Strength	140	Mpa	ISO 178
Flexural Modulus	3800	Mpa	ISO 178
HDT	90	°C	ISO 75A
Hardness	40	Barcol 934-1	

³ Samples post cured 5 hours at 100°C.

Stability

The resin is stable for at least 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

Version: 01/2018E-R03

