

PULTRUSION

Resin Characteristics

Isophthalic/NPG unsaturated polyester resin
High reactivity – Medium viscosity

Versions

N/A

Molding Technique

Pultrusion

End Products

Pultruded profiles, frames, rods, cable supports

Remarks

Chemical resistance

Liquid Properties

Viscosity ¹	600-1000	cp
Solid Content	62-67	%
Acid Value	max. 20	mgKOH/g
Gel Time ²	5-10	minutes
Peak Exotherm	190-210	°C

¹ 25°C, sp4 50

² 25°C, 2ml Co (1% soln.), 2ml Curox M 300 per 100g resin

Mechanical Properties of Non Reinforced Clear Castings³

Tensile Strength	60	Mpa	ISO 527
Elongation at Break	2	%	ISO 527
Tensile Modulus	3900	Mpa	ISO 527
Flexural Strength	100	Mpa	ISO 178
Flexural Modulus	3900	Mpa	ISO 178
HDT	100	°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 at least 4 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 Shutz containers
230kg Drums
18kg Cans

