

Resin Characteristics

Orthophthalic unsaturated polyester resin
High reactivity – High viscosity

Versions

N/A

Molding Technique

Hot Press Molding

End Products

SMC/BMC compounds

Remarks

Controlled thickening
High reactivity
Compatible with LS/LP additives

Liquid Properties

Viscosity ¹	1000-1200	cp
Solid Content	62-66	%
Acid Value	20-30	mgKOH/g
Peak Time ²	90-150	seconds
Peak Exotherm	265-280	°C

¹ 20°C, sp4 50

² 140°C, 1gr TBPB added in 100g resin

Mechanical Properties of Non Reinforced Clear Castings³

Tensile Strength	60	Mpa	ISO 527
Elongation at Break	2	%	ISO 527
Tensile Modulus	3200	Mpa	ISO 527
Flexural Strength	100	Mpa	ISO 178
Flexural Modulus	3300	Mpa	ISO 178
HDT	110	°C	ISO 75A
Hardness	45	Barcol	934-1

³ Samples post cured 5 hours 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