

GEL COAT

Resin Characteristics

Isophthalic/NPG gelcoat
High Reactivity

Versions

Spray-Up (P)
Brush (F)

Molding Technique

Spray-Up
Brush

End Products

Marine, aqua parks, pools, sanitary equipment and industrial equipments requiring good resistance

Remarks

Lloyd's Approval
Excellent hydrolytic resistance
Excellent weatherability
Good chemical resistance
Excellent pigmentation

Liquid Properties

Viscosity ¹ (Brush)	4000-6000	cp
Viscosity ¹ (Spray)	1500-2500	cp
Thix Index	min. 3.5	
Solid Content	60-65	%
Acid Value	max. 20	mgKOH/g
Gel Time ²	10-20	minutes
Peak Exotherm	170-190	°C

¹ 20°C, Brookfield, sp4 50/5rpm

² 20°C, 1ml Co (1% soln.), 1ml Curox M300 per 100g resin

Mechanical Properties of Non Reinforced Clear Castings of Base Resin³

Tensile Strength	75	Mpa	ISO 527
Elongation at Break	3.5	%	ISO 527
Tensile Modulus	3800	Mpa	ISO 527
Flexural Strength	120	Mpa	ISO 178
Flexural Modulus	3900	Mpa	ISO 178
HDT	90	°C	ISO 75A
Hardness	35	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 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
1000kg Shutz containers
220kg Drums
20 kg Buckets

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