

Laboratory L&T Heavy Engineering Testing Laboratory, Larsen & Toubro Limited
(VHEW), Plot No. 101, GIDC Ranoli, N.H. No. 8, Dist. Vadodara,
Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-7301

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Validity 28.05.2018 to 27.05.2020

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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CHEMICAL TESTING

I.	PLASTIC & RESINS			
1.	Resin Content for Glass Fibre Composites	Ignition Loss	ASTM D 2584 OST 92-0903-78 (Para 3.5)	10 % to 50 %
		Degree of Hardening / Curing	OST 92-0903-78 (Para 3.8)	70 % to 100 %

Naveen Jangra
Convenor

Alok Jain
Program Director

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MECHANICAL TESTING

I.	PLASTICS AND PLASTIC PRODUCTS			
1.	Plastics and Plastic Products	Tensile Strength	ASTM D3039/ASTM D638	50 MPa to 1500 MPa
		Tensile Modulus (Elasticity Modulus)	GOST 9550-71 GOST 11262-80	10000 MPa to 80000 MPa
		Static Bending Strength (Flexural Strength)	GOST 4648-71 ASTM D 790	50 MPa to 1000 MPa
		Bending Strength	OST 92-1462-77	50 MPa to 1000 MPa
		Shear Strength (Chipping Shear Strength)	OST-92-1472-78	5 MPa to 100 MPa
		Apparent Shear Strength (Lap Shear Strength)	ASTM D1002	5 MPa to 50 MPa
		Flatwise Tensile Strength (Tensile Strength perpendicular to the faces)	ASTM C297 DIN LN 53292 (Feb.-1982)	5 MPa to 50 MPa
		Short-Beam Strength (Inter Laminar Shear Strength)	ASTM D2344	5 MPa to 200 MPa
		Climbing Drum Peel Strength (Drum Peel Strength)	ASTM D1781	1 kg.cm/cm to 10 kg.cm/cm
		Density	ASTM D792 OST 92-0903-78 (Para 3.1)	1 g/cc to 5 g/cc

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