

Laboratory **Polymers Testing Laboratory, Atul Limited, Polymers Business,
North Site, Atul, Valsad, Gujarat**

Accreditation Standard **ISO/IEC 17025: 2005**

Certificate Number **TC-6979**

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Validity **05.03.2018 to 04.03.2020**

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.	PLASTICS& RESINS			
1.	Resins	Epoxy Value	ASTM D1652	0.3 to 9.5 Eq/kg
		Viscosity	ASTM D2196	2 mPa to 100000 mPa
		Amine Value	ISO 9702	100 mg KOH/g to 1000 mg KOH/g
		Pot Life	ASTM D2471	3 minute to 999 minute

Naveen Jangra
Convenor

N. Venkateswaran
Program Director

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MECHANICAL TESTING

I.	PLASTICS AND PLASTIC PRODUCTS				
1.	Plastics and Plastic Products	Tensile Strength	ISO 527 (Part-2, Part-4 and Part-5), ASTM D 638	10 MPa to 1000 MPa	
		Tensile Modulus		0.05 GPa to 50 GPa	
		Tensile Elongation		0.1 % to 100 %	
			Flexural Strength	ISO 14125	10 MPa to 1000 MPa
			Flexural Modulus	ISO 178	0.05 GPa to 50 GPa
			Flexural Elongation	ASTM D790	0.5 % to 30 %
			Compressive strength	ISO 14126, ISO 604,	10 MPa to 1000 MPa
			Compressive Modulus	ASTM D 695	0.05 GPa to 50 GPa
			Inter Laminar Shear Strength / Short Beam Strength	ISO 14130	2 MPa to 250 MPa
			Heat Deflection Temperature	ISO 75-2 ASTM D 648	25 °C to 300 °C
	Glass Transition Temperature (Tg)	ISO 11357-2	25 °C to 350 °C		
	Lap Shear Strength	ISO 4587 DIN EN 1465	1 MPa to 100 MPa		
	Peel Strength	ISO 11339	0.5 N/mm to 100 N/mm		

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