

Laboratory Polymer Science and Diagnostic Center (PSDC), Steer Engineering Private Limited, #290, 4th Main, 4th Phase, Peenya Industrial Area, Bangalore, Karnataka

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-7588

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Validity 12.07.2018 to 11.07.2020

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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MECHANICAL TESTING

I.	PLASTIC & RESINS			
1.	Plastics	Tensile test Tensile Strength Modulus of Elasticity Strain at Break Strain at Yield	ASTM D638-14 ISO 527-1: 2012	30 MPa to 150 MPa 50 MPa to 5000 MPa 1 % to 900 % 1 % to 900 %
		Flexural Test Flexural Strength Modulus of Elasticity	ASTM D790-15 ISO 178: 2010/Amd 1: 2013	10 MPa to 300 MPa 100 MPa to 10000 MPa
		Izod Impact Test (Notched) Impact Strength	ASTM D256-10 (Method A) ISO 180: 2000/Amd 2: 2013	0.25 kJ/m ² to 55 kJ/m ²
		Izod Impact Test (Unnotched) Impact Resistance	ASTM D4812-11	1 J/m to 1500 J/m
		Charpy Test Notched Impact Resistance	ASTM D6110-10	1 J/m to 1500 J/m
		Charpy Test (Unnotched) Impact Strength	ISO 179-1: 2010 ISO 179-1/1eU ^b	0.25 kJ/m ² to 150 kJ/m ²
		Test for Deflection Temperature	ASTM D 648-07 ISO 75-2: 2013	30 °C to 300 °C
		Melt Flow Rate	ASTM D1238-13	0.5 g/10 min to 50g/10 min
		Composition Analysis by TGA	ASTM E1131-2008	Wt range: 0.1 % to 100 % Temp range: 30°C to 920°C