

<b>Laboratory</b>	<b>Laboratory for Advanced Research In Polymeric Materials (LARPM), Central Institute of Plastics Engineering &amp; Technology (CIPET), B-25, Chandaka Nucleus Industrial Complex, Patia, Bhubaneswar, Odisha</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Mechanical Testing</b>	<b>Issue Date</b>	<b>24.04.2015</b>
<b>Certificate Number</b>	<b>T-1900</b>	<b>Valid Until</b>	<b>23.04.2017</b>
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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
<b>I.</b>	<b>PLASTICS, RUBBER AND LEATHER</b>			
<b>1.</b>	<b>Plastics Materials &amp; Products</b>	Tensile Properties	ASTM D 638-2010 ASTM D 882-2012	Stress: 0.0262 MPa to 2625 MPa Strain: 0.05 % to 800 %
		Flexural Properties	ASTM D 790-2010	Stress: 0.0262 MPa to 2625 MPa Strain: 0.1 % to 40 %
		Specific gravity & Density	ASTM D 792-2013	0.8 g/cc to 2.5 g/cc at 25 °C
		Storage Modulus, Loss Modulus, Tan delta by DMA in Tension	ASTM D 5026-2014	Storage Modulus: 3E <sup>-3</sup> MPa to 3E <sup>6</sup> MPa Tan Delta: 0.0001 to 10 Loss Modulus: 1E <sup>-7</sup> MPa to 3E <sup>7</sup> MPa
		Storage Modulus, Loss Modulus, Tan delta by DMA in Compression	ASTM D 5024-2007	Storage Modulus: 3E <sup>-3</sup> Mpa to 3E <sup>6</sup> MPa Tan Delta: 0.0001 to 10 Loss Modulus: 1E <sup>-7</sup> Mpa to 3E <sup>7</sup> MPa
		Storage Modulus, Loss Modulus, Tan delta by DMA in Dual cantilever Beam	ASTM D 5418-2007	Storage Modulus: 3E <sup>-3</sup> MPa to 3E <sup>6</sup> MPa Tan Delta: 0.0001 to 10 Loss Modulus: 1E <sup>-7</sup> MPa to 3E <sup>7</sup> MPa

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	<b>Plastics Materials &amp; Products</b>	Compressive properties	ASTM D 695-2010	Stress: 0.0003 MPa to 310 MPa Strain: 0.197 % to 78.7 %
		Izod Impact Strength	ASTM D 256-2010	0.01 J/m to 1000 J/m
		Charpy Impact Strength	ASTM D 6110-2010	0.01 J/m to 1000 J/m

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