

Laboratory **Autodynamic Technologies & Solutions Private Limited, 279/1 & 2,
Raisoni Industrial Park, Phase II, Village-Mann, Tal. Mulshi, Dist.
Pune, Maharashtra**

Accreditation Standard **ISO/IEC 17025: 2017**

Certificate Number **TC-7714**

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Validity **06.09.2019 to 21.09.2020**

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
<u>MECHANICAL TESTING</u>				
I.	PLASTICS AND PLASTIC PRODUCTS			
1.	Plastic Materials & Products	Tensile Strength	ASTM D 638 ISO 527 - 1 ISO 527 - 2	0.05 MPa to 230 MPa
		Elongation @ break	ASTM D 638 ISO 527 - 1 ISO 527 - 2	0.1 % to 100 %
		Flexural Modulus	ASTM D 790 ISO 178	0.05 MPa to 50000 MPa
		Flexural Strength	ASTM D 790 ISO 178	0.05 MPa to 1500 MPa
		Izod Impact	ASTM D 256	0.5 J/m to 860 J/m
		Izod Impact	ISO 180	0.5 kJ/m ² to 120 kJ/m ²
		Charpy Impact	ISO 179-1	0.5 kJ/m ² to 120 kJ/m ²
		Heat Deflection Temperature (HDT)	ASTM D 648 ISO 75 (1 & 2)	23°C to 300°C
		Vicat Softening Point	ASTM D1525 ISO 306	23 °C to 300 °C
		Density	ISO 1183-1(Method A)	0.01 g/cc to 2 g/cc
		Density	ASTM D 792 (Method A)	0.01 g/cc to 2 g/cc
		Specific Gravity	ASTM D 792 (Method B)	0.01 to 2
		Melt Flow Index	ASTM D 1238 ISO 1133 -1	No Flow to 1500 g/10 min
		Ash Content	ASTM D 5630 (Method B) ISO 3451-1 (Method A)	0.5% to 70 %
		Glass Content	ISO 1172 (Method A)	0.5% to 70 %
		Hardness Shore - 'A'	ASTM D 2240 ISO 868	5 Shore A to 95 Shore A
		Hardness Shore - 'D'	ASTM D 2240 ISO 868	5 Shore D to 95 Shore D

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Melting Point by DSC	ISO 11357-1 ISO 11357-3	40 °C to 400 °C
		Color Measurement	ASTM D 2244	Measurement Range : 0.1 to 100 ΔE Geometry = Sphere, d/8, Geometry = 45°/0°
		Gloss Measurement	ASTM D 523	Measurement Range : 0.1 to 100 GU Geometry = 45°/0°, Gloss = S