

Laboratory **Research & Development Centre, INEOS Styrolution India Limited,
Sankarda-Bhadarwa Road, At Poicha, Moxi, Raniya, Savli,
Vadodara, Gujarat**

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

Certificate Number **TC-5530 (in lieu of T-3303)**

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Validity **24.04.2017 to 23.04.2019**

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.	PLASTICS AND PLASTIC PRODUCTS			
1.	Polymer (Plastics) materials	Izod Impact Resistance	ASTM D 256-10 ISO 180:2013	10 Joule/m to 1000 Joule/m 1 kgf.cm/cm to 100 kgf.cm/cm 1 kJ/m ² to 125 kJ/m ²
		Charpy Impact Resistance	ISO 179:10	1 kJ/m ² to 350 kJ/m ²
		Gloss at 20° angle Gloss at 60° angle Gloss at 85° angle	ASTM D 2457-13	1 to 100
		Tensile Strength % Elongation Tensile Modulus	ASTM D 638-14 ISO 527:12	10 MPa to 180 MPa (100 kg/cm ² to 1800 kg/cm ²) Up to 500% 150 MPa to 15000 MPa (1500 kg/cm ² to 150000 kg/cm ²)
		Flexural Strength Flexural Modulus	ASTM D 790-10 ISO 178:13	10 MPa to 180 MPa (100 kg/cm ² to 1800 kg/cm ²) 100 MPa to 18000 MPa (1000 kg/cm ² to 180000 kg/cm ²)

Neeraj Verma
Convenor

N. Venkateswaran
Program Director

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		Melt Flow Rate Melt Volume Rate	ASTM D 1238-13 ISO 1133:11	1 g/10min to 100 g/10min 1 cc/10min to 100 cc/10min
		Heat Deflection Temperature	ASTM D 648-07 ISO 75:14	50°C to 200°C
		Vicat Softening Temperature	ASTM D 1525-09 ISO 306:13	50°C to 200°C
		Yellowness Index L a b	ASTM E313:2010 ASTM D 2244-11	± 100 0 to 100 ± 127 ± 128
		Rockwell Hardness	ASTM D 785-08 ISO 2039-2-1987	30 to 130 (R & M Scale)

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