

Laboratory	Laboratory for Advanced Research in Polymeric Materials (LARPM), Central Institute of Plastics Engineering & Technology (CIPET), B-25, Chandaka Nucleus Industrial Complex, Patia, Bhubaneswar, Odisha		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	24.04.2015
Certificate Number	T-1899	Valid Until	23.04.2017
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	PLASTICS AND RESINS			
1.	Plastics Materials & Products	Flow Rate of Thermoplastics by Extrusion Plastometer	ASTM D 1238-2013	Upto 50 g/10 min
		Glass transition temp., Melting temp. & Crystallization temp. by DSC	ASTM D 3418-2012	(-) 40 °C to 600 °C
		Loss on drying by TGA	ASTM E 1868- 2010	0.01 % to 100 %
		Xenon Arc weathering	ASTM G 155-2013	Qualitative
		Flammability (Vertical)	UL 94-2012	Qualitative
		Flammability (Horizontal)	UL 94-2012	Qualitative
		Thermal Conductivity (Guarded Heat Flow Meter Technique)	ASTM E 1530-2011	0.1 W/mK to 40 W/mK
		Identification of Polymer (by FTIR)	ASTM E 1252-2013 ASTM D 5477-2011	Qualitative
		Vicat Softening Temperature	ASTM D 1525-2009	Ambient to 300 °C
		Heat Deflection Temperature	ASTM D 648-2007	Ambient to 300 °C
		Accelerated Weathering UV-B Lamp	ASTM G 151-2010	Qualitative
		Water Vapour Transmission Rate	ASTM D 1653-2013 ASTM E 96 / E96M-14	Qualitative

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