

**Laboratory** Analytical Technology Lab, SABIC Research & Technology Pvt. Ltd.,  
Plot No. 81 & 85, Village – Chikkadunnasandra, Anekal: Taluk, Off.  
Sarjapur – Attible State Highway, Bengaluru, Karnataka

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

**Discipline** Chemical Testing **Issue Date** 01.04.2016

**Certificate Number** T-2816 **Valid Until** 31.03.2018

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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
<b>I.</b>	<b>PLASTICS AND RESINS</b>			
1.	<b>Plastic Material and Products</b>	Specular Gloss	ASTM D523: 2014	Upto 180 GU
		Haze and Luminous Transmittance	ASTM D1003: 2013	Upto 100 %
		Color Tolerances & Color Differences	ASTM D2244: 2015	L* = Upto (+)100 a* = (-)100 to (+) 100 b* = (-)100 to (+) 100
		Resistance of Plastics to Chemical Reagents	ASTM D543: 2014	Qualitative
		Resistance to environmental stress cracking (ESC)	ISO 22088 -3: 2006	Qualitative
		Exposure to laboratory light sources	ISO 4892 (Part 2): 2013 (Xenon-arc lamps)	Qualitative
		exposure to laboratory light sources	ISO 4892(Part 3): 2013 (Fluorescent UV lamps)	Qualitative
		Standard Practice of Non-Metallic Materials	ASTM G155: 2013 ( Xenon Arc)	Qualitative
		Standard Practice of Non-Metallic Materials	ASTM G154: 2012a (Fluorescent Ultraviolet (UV) Lamp)	Qualitative
	Standard Practice for of Plastics Intended for Indoor Applications	ASTM D4459: 2012 ( Xenon Arc)	Qualitative	

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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
	<b>Plastic Material and Products</b>	Accelerated Exposure of Automotive Exterior Materials	SAE J2527: 2004 (Controlled Irradiance Xenon-Arc)	Qualitative
		Accelerated Exposure of Automotive Interior Trim	SAE J2412: 2004, (Controlled Irradiance Xenon-Arc)	Qualitative
		Grey scale for assessing change in color	ISO 105-A02: 1993/Cor:20015	Qualitative Grey scale:1 to 5

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