

Laboratory SRF Limited, Engineering Plastics Business, Quality Assurance Lab,
Manali Industrial Area, Manali, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5044

Page 1 of 2

Validity 15.12.2018 to 14.12.2020

Last Amended on 01.01.2019

"In view of the transition for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020"

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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ELECTRICAL TESTING

I.	ELECTRICAL MATERIALS-SOLID INSULATING MATERIAL			
1.	Plastics Material & Their Compounds	Comparative tracking index	IEC 60112:2003 AMD 1:2009	Qualitative 100 Volt to 600 Volt
		Glow wire flammability index	IEC 60695-2-12:2014	Qualitative 100 °C to 960 °C
		Flammability	UL 94:2013	Qualitative V 0, V 1, V2, HB

Sachin Tomar
Convenor

Battal Singh
Program Manager

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MECHANICAL TESTING

I.	PLASTICS AND PLASTIC PRODUCTS			
1.	Plastics Material & their Compounds	Tensile strength	ASTM D 638-14 ISO 527-1:2012	20 MPa to 300 MPa
		Tensile Elongation	ASTM D 638-14 ISO 527-1:2012	1 % to 200 %
		Tensile Modulus	ASTM D 638-14 ISO 527-1:2012	500 MPa to 20000 MPa
		Flexural strength	ASTM D 790-17 ISO 178:2010	20 MPa to 400 MPa
		Flexural modulus	ASTM D 790-17 ISO 178:2010	500 MPa to 20000 MPa
		Izod Impact strength- Notched	ASTM D 256-10 ISO 180:2000	1 kg.cm/cm to 100 kg.cm/cm 1 KJ/M ² to 100 KJ/M ²
		Specific gravity	ASTM D 792-13 ISO 1183-1:2012	1.00 to 2.00
		Rockwell Hardness	ASTM D 785-08(2015) ISO 2039_2:1987	R scale to 80 to 200 M scale to 50 to 150
		Melt Flow Index	ASTM D 1238-13	0.5 g/10 min to 150 g/10 min
		Heat Deflection Temperature	ASTM D 648-16 ISO 75-2:2013	50 °C to 300 °C
		Filler content	ASTM D 5630-13 ISO 3451_1:2008	0.2 % to 60 %
		Moisture content	ASTM D 6980-17	0.01 % to 1.50 %
		Water absorption	ISO 62:2008 ASTM D570-10	0.1 % to 5.0 %

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