

Laboratory Alekh Plastics Testing Centre, F-94, Rudraksha-II, Jashodanagar, Mehamdabad Highway, Vatva, Ahmedabad, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6209

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Validity 04.09.2017 to 03.09.2019

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 & POLYMERS			
1.	Plastics	Density/Specific gravity	IS:13360 Part3, Sec.1:2013 ISO: 1183:2008	0.8 g/cc to 3.0 g/cc
		Shore A-D hardness	IS: 13360 Part5, Sec.11:2013 ISO: 868:2013	5 unit to 95 unit
		Melt flow index	IS:13360 Part4 Sec.1:2013 ISO: 1133:2008	0.1 g/10min to 75 g/10min
		Material identification by FTIR spectroscopy	ASTM E 1252:2013	Qualitative
		Tensile strength	IS:13360,Part5 Sec.1:2013 ISO:527:2008	0.5 MPa to 250 MPa
		Elongation		1 % to 1200 %
		Melting point	IS:13360, Part6, Sec.10:2013 ISO:3146:2000	50 °C to 300 °C
		Flammability Horizontal type	IS: 13360,Part6 Sec.4:2003 ISO:1210:1992	5 mm/min to 500 mm/min
		Flammability Vertical	IS:13360, Part6 Sec.5:2001	94 V0 to 94 V2 94HB
		Ash content	IS:13360 Part8 Sec.8: 2004 Method-A	0.05 % to 100 %
		II.	RUBBER & RUBBER PRODUCTS	
1.	Rubber	Density/Specific gravity	IS:3400,Part9:2013 ISO:2781:2014	0.8 g/cc to 3.0 g/cc
		Shore A-D hardness	IS:3400, Part23:2013 ISO:7619:2012	5 unit to 95 unit

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		Tensile strength	IS:3400 Part1:2013 ISO:37:2012	0.5 MPa to 35 MPa
		Elongation		10 % to 1000 %
		Chemical analysis (Material identification)	IS:3400,Part-22:2003	Qualitative
		Material identification (By FTIR)	AIS-066:2004	Qualitative
		Ash content	IS:11720,Part5:2003	0.05 % to 100 %
		Rebound resilience	IS:3400 Part11:2012	5 % to 90 %