Laboratory Materials Engineering Lab, Tata Motors Limited, Chinhat Industrial

Area, Deva Road, Lucknow, Uttar Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Discipline Mechanical Testing Issue Date 31.03.2015

Certificate Number T-1847 Valid Until 30.03.2017

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CNIc	Due due 4	Cusaifia Tast Darfarmad	Took Mathad Consideration analyst	Donas of Tooting /
S.No.	Product /	Specific Test Performed	Test Method Specification against	Range of Testing /
	Material of		which tests are performed	Limits of Detection
	Test		•	

rrous & Non	Tensile Strength		
rerrous	Yield Strength	IS 1608: 2005	20 N to 400 kN
	Ultimate Tensile Strength	150 0892: 1998	
	% Elongation		0 to 40%
	Hardness Test		
	Brinell Hardness Test	IS 1500: 2005 ISO 6506: 1999	105 HBW to 450 HBW 2.5/187.5, 5/750, 10/3000
	Rockwell Hardness Test	IS 1586: 2000 (RA 2006)	20 HRA to 88 HRA 20 HRB to 100 HRB 20 HRC to 70 HRC
	Vicker's Hardness Test	IS 150: 2002 ISO: 6507-1: 1997	20HV to 1000 HV 0.2, HV 1.0, HV 5 & HV10
	Determination of Case Depth by Hardness Method	IS 6416: 1988 (RA 2003)	Upto 2 mm Effective case depth at 550 HV
ywood	Flammability Test	IS 1734 (Part 3): 1999 & IS 5509: 2000	Qualitative
	Flame Penetration Test	IS 1734 (Part 3): 1999 & IS 5509: 2000	Qualitative
1	rous	Yield Strength Ultimate Tensile Strength % Elongation Hardness Test Brinell Hardness Test Rockwell Hardness Test Vicker's Hardness Test Determination of Case Depth by Hardness Method wood Flammability Test	Yield Strength Yield Strength Ultimate Tensile Strength Elongation Hardness Test Brinell Hardness Test Brinell Hardness Test IS 1500: 2005 ISO 6506: 1999 Rockwell Hardness Test IS 1586: 2000 (RA 2006) Vicker's Hardness Test IS 150: 2002 ISO: 6507-1: 1997 Determination of Case Depth by Hardness Method Flammability Test IS 1734 (Part 3): 1999 & IS 5509: 2000 Flame Penetration Test IS 1734 (Part 3): 1999 &

Mohit Kaushik Convenor N. Venkateswaran Program Manager

Laboratory	Materials Engineering Lab, Tata Motors Limit Area, Deva Road, Lucknow, Uttar Pradesh	ted, Chinhat I	ndustrial
Accreditation Standard	ISO/IEC 17025: 2005		
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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
		Rate Of Burning	IS 1734 (Part 3): 1999 & IS 5509: 2000	Qualitative Upto 600 g
3	Automotive Electrical	Horizontal Burning Test	IS 15061: 2002	Qualitative Upto 100mm/min
	Materials	Vertical Burning Test	IS 15061: 2002	Qualitative Upto 100mm/min
		Melting Behavior Test	IS 15061: 2002	Qualitative

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S.No. Product / Specific Test Performed Test Method Specification against Range of Testing / Which tests are performed Limits of Detection

Test