

Laboratory Polymer Laboratory of Maruti Suzuki India Limited, Palam Gurgaon Road, Gurgaon, Haryana

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5610 (in lieu of T-0608 & T-0609)

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Validity 31.03.2017 to 30.03.2019

Last Amended on 08.05.2017

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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CHEMICAL TESTING

I.	PLASTIC & RESINS			
1.	Plastic (PP, PE, POM, PET, PBT, PA)	Identification	ASTM-E-1252-98	Qualitative
		Characterization of Plastic Material by DSC	ASTM-E 794-06 ASTM D 3418-15	Qualitative
II.	RUBBER & RUBBER PRODUCTS			
1.	Rubber (EPDM, NR, NBR,CR)	Compositional Analysis:	ASTM-D-6370-99	Qualitative (50°C to 800°C)
		Volatile and Elastomer		0.5% to 98%
		Carbon black Content		0.5 % to 80%
		Ash Content		0.5% to 90%
		Identification	ASTM-E-1252-98 ASTM D 3677-10	Qualitative

Prachi Kukreti
Convenor

N. Venkateswaran
Program Director

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MECHANICAL TESTING

I.	RUBBER & RUBBER PRODUCTS			
1.	Vulcanized Rubber	Tensile Strength (Un-aged & Aged)	ASTM-D-412-16	0.5 MPa to 45 MPa
		Elongation (Un-aged & Aged)		5% to 800%
		Tear Strength	ASTM-D-624-00	5 N/mm to 80 N/mm
		Compression set	ASTM-D-395-16	5 % to 90 %
II.	PLASTIC & PLASTIC PRODUCTS			
1.	Plastic	Heat Aging		Qualitative (40°C to 150°C)
		Heat Cold Cycle	JASO-M-312-85	Qualitative (-40°C to 130°C)/(2 to 30 cycles)
		Cold Aging		

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