National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ATTUNED POLYMERS LABORATORIES, 311, RAJASTHAN TECHNICAL CENTRE, PATANWALA ESTATE, L.B.S MARG, GHATKOPAR, MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 30/08/2022 to 29/08/2024 **Last Amended on** 02/09/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Fabric bonded to rubber	Adhesion Strength	ASTM D 413
2	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Fabric bonded to rubber	Adhesion Strength	IS 3400 (Part 5)
3	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Metal bonded to Rubber	Bond Strength	ASTM D 429
4	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Metal bonded to Rubber	Bond strength	IS 3400 (Part 14)
5	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Raw Rubber / Un- vulcanized Compound/ Rubber Vulcanizate	Ash Content	ASTM D 297 - Section 36
6	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Abrasion Resistance	ASTM D5963
7	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Abrasion Resistance	IS 3400 (Part 03)
8	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Abrasion Resistance	ISO 4649
9	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Angular Tear Strength	ASTM D624
10	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Angular Tear Strength	IS 3400 (Part 17)
11	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Compression Set	ASTM D395 (method B)
12	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Compression set	IS 3400 (Part 10)
13	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	De Mattia Flex (Crack growth)	ASTM D 813
14	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	De Mattia Flex (Crack growth)	IS 3400 (Part 08)
15	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	De Mattia Flex (Crack Initiation)	ASTM D 430 (Method B)
16	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	De Mattia Flex (Crack Initiation)	IS 3400 (Part 7)
17	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Durometer Hardness	IS 3400 (Part 23/Sec 1)
18	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Hardness (Shore A)	ISO 7619-1

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19	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Hardness (Shore A)	ASTM D2240
20	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Ozone Resistance	ASTM D 1149
21	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Ozone Resistance	IS 3400 (Part 20)
22	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Ozone Resistance	ISO 1431 (Part 1)
23	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Rebound Resilience	ASTM D 2632
24	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Rebound Resilience	IS 3400 (Part 11)
25	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Ross Flex	ASTM D 1052
26	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Ross Flex	IS 3400 (Part 16)
27	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Tensile strength	ASTM D412
28	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Tension set	IS 3400 (Part 13)
29	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Elongation at break	ISO 37
30	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Water Absorption	IS 3400 (Part 06)
31	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Water Absorption	ISO 1817
32	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Change in Strees at 300 % elongation after air aging	IS 3400 (Part 04)
33	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Change in Stress @ 300 % elongation	ISO 188
34	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Density	IS 3400 (Part 09)
35	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Density	ISO 2781
36	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Elongation at break	ASTM D412
37	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Elongation at break	IS 3400 (Part 01)

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38	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Elongation at break after ageing	ASTM D 573
39	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Modulus	ISO 37
40	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Specific Gravity	ASTM D297 (Section 16)
41	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Strees @ 300% elongation	ASTM D412
42	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Stress @ 300 % elongation	IS 3400 (Part 01)
43	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Swelling Test - Change in Dimension	ASTM D 471
44	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Swelling Test - Change in Dimension	IS 3400 (Part 06)
45	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Swelling Test - Change in Dimension	ISO 1817
46	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Tensile Strength	IS 3400 (Part 01)
47	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Tensile Strength	ISO 37