



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

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

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6188 Page No. : 1 / 7

Validity 30/08/2019 to 29/08/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
<b>Permanent Facility</b>				
1	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Thermo Plastic Polymer	Melt Flow Index	ASTM D 1238: 2013
2	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Thermo Plastic Polymers	Melt Flow Index	DIN EN ISO 1133: 2012
3	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Thermo Plastic Polymers	Melt Flow Index	IS 2530 (Method A) : 1963, RA: 2018
4	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Durometer Hardness	ISO 7619-1: 2010
5	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Fabric bonded to rubber	Adhesion of rubber to textile fabric	ASTM D 413: 2017
6	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Fabric bonded to rubber	Adhesion of rubber to textile fabric	IS 3400 (Part 5) : 1986, RA: 2019
7	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Metal bonded to Rubber	Bond Strength	ASTM D 429: 2014
8	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Metal bonded to Rubber	Bond strength	IS 3400 (Part 14) : 1984, RA: 2019
9	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Raw Rubber / Un- vulcanized Compound/ Rubber Vulcanizate	Ash Content	ASTM D 297 - Section 36: 2015



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
10	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Abrasion Resistance	IS 3400 (Part 03): 2018
11	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Abrasion Resistance	ISO 4649: 2010
12	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Abrasion Resistance	ASTM D 5963: 2015
13	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Angular Tear Strength	ASTM D 624: 2012
14	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Angular Tear Strength	IS 3400 (Part 17) : 1974, RA: 2019
15	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Compression set	IS 3400 (Part 10) : 1977, RA: 2019
16	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Compression Set	ASTM D 395: 2016
17	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	De Mattia Flex (Crack growth)	IS 3400 (Part 08): 1983, RA: 2017
18	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	De Mattia Flex (Crack growth)	ASTM D 813: 2014
19	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	De Mattia Flex (Crack Initiation)	IS 3400 (Part 7): 1985, RA: 2017



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20	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	De Mattia Flex (Crack Initiation)	ASTM D 430 (Method B): 2012
21	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Durometer Hardness	IS 3400 (Part 23/Sec 1): 2018
22	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Durometer Hardness (Shore A)	ASTM D 2240: 2015
23	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Ozone Resistance	ASTM D 1149: 2016
24	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Ozone Resistance	IS 3400 (Part 20) : 1994, RA: 2013
25	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Ozone Resistance	ISO 1431 (Part 1): 2013
26	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Rebound Resilience	IS 3400 (Part 11) : 1985, RA: 2017
27	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Rebound Resilience	ASTM D 2632: 2015
28	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Ross Flex	ASTM D 1052: 2014
29	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Ross Flex	IS 3400 (Part 16): 1974, RA: 2017



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30	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Tensile strength	ASTM D 412: 2016
31	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Vulcanizate	Tension set	IS 3400 (Part 13) : 1983, RA: 2019
32	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Uncompounded or compounded rubbers	Mooney Viscosity	ASTM D 1646: 2017
33	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Uncompounded or compounded rubbers	Mooney Viscosity of Natural Rubber	IS 3660 (Part 7): 2013, RA: 2019
34	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Uncompounded or compounded rubbers	Mooney Viscosity of Natural Rubber	ISO 289 -1: 2005
35	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Uncompounded or compounded synthetic rubbers	Mooney Viscosity of Synthetic Rubber	IS 11720 (Part 03) : 1993, RA: 2019
36	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Elongation at break	ASTM D 412: 2016
37	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Elongation at break after ageing	ASTM D 573: 2015
38	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Elongation at break after ageing	IS 3400 (Part 04) : 2012, RA: 2017
39	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Modulus	IS 3400 (Part 01): 2012



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40	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Modulus	ASTM D 412: 2016
41	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Modulus after ageing	ASTM D 573: 2015
42	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Modulus after ageing	ISO 188: 2017
43	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Modulus after ageing	IS 3400 (Part 04) : 2012, RA: 2017
44	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Modulus	ISO 37: 2011
45	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Specific Gravity / Density	ASTM D 297 (Section 16): 2015
46	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Swelling Test - Change in Dimension	IS 3400 (Part 06) : 2012, RA: 2017
47	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Swelling Test - Change in Dimension	ASTM D 471: 2016
48	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Swelling Test - Change in Dimension	ISO 1817: 2017
49	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Swelling Test - Change in Volume	ASTM D 471: 2016



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
50	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Tensile Strength	ISO 37: 2017
51	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Tensile Strength	IS 3400 (Part 01) : 2012, RA: 2017
52	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Tensile strength after ageing	ISO 188: 2017
53	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Tensile strength after ageing	IS 3400 (Part 04) : 2012, RA: 2017
54	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Tensile strength after ageing	ASTM D 573: 2015
55	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Elongation at break	ISO 37: 2017
56	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Elongation at break	IS 3400 (Part 01) : 2012, RA: 2017
57	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Specific Gravity /Density	IS 3400 (Part 09) : 2014, RA: 2019
58	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Specific Gravity /Density	ISO 2781: 2019
59	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Swelling Test - Change in Volume	IS 3400 (Part 06) : 2012, RA: 2017



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed
60	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Swelling Test - Change in Volume	ISO 1817: 2017
61	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Water Absorption	ISO 1817: 2017
62	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermo plastic rubbers	Water Absorption	IS 3400 (Part 06) : 2012, RA: 2017
63	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Vulcanised/ thermoplastic rubbers	Elongation at break after ageing	ISO 188: 2017