



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name ANAND PRECISE TESTING LABORATORIES, PLOT NO.-6/6, NIT INDUSTRIAL AREA, FARIDABAD, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5220 Page No. : 1 / 8

Validity 13/01/2019 to 12/01/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
1	MECHANICAL-RUBBER AND RUBBER PRODUCTS	Gaskets, Seals, Packings, Industrial Belts, Natural Rubber and Products, Synthetic Rubber and Products	Compression Set	ASTM D 395: 2016	1 % to 100 %
2	MECHANICAL-RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS, INDUSTRIAL BELTS, NATURAL RUBBER AND PRODUCTS,SYNTHETIC RUBBER AND PRODUCTS	Specific Gravity	IS 3400: PART 9: 2014	0.05 to 5
3	MECHANICAL-RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS, INDUSTRIAL BELTS, NATURAL RUBBER AND PRODUCTS,SYNTHETIC RUBBER AND PRODUCTS	TENSILE STRENGTH	IS 3400: PART 1: 2017	1 Mpa to 25 Mpa
4	MECHANICAL-RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHETIC RUBBER AND PRODUCTS	ABRASION RESISTANCE	IS 3400:PART 3: 2014	10 mm ³ to 600 mm ³



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
5	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHETIC RUBBER AND PRODUCTS	ABRASION RESISTANCE	ASTM D 5963: 2015	10 mm ³ to 600 mm ³
6	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHETIC RUBBER AND PRODUCTS	ACCELERATED AGEING TEST(CHANGE IN ELONGATION AT BREAK)	IS 3400:PART 4: 2017	0.1 % to 500 %
7	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHETIC RUBBER AND PRODUCTS	ACCELERATED AGEING TEST(CHANGE IN ELONGATION AT BREAK)	ASTM D 573: 2015	0.1 % to 500 %
8	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHETIC RUBBER AND PRODUCTS	ACCELERATED AGEING TEST(CHANGE IN HARDNESS)	IS 3400:PART 4: 2017	1 SHORE A to 30 SHORE A



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9	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHETIC RUBBER AND PRODUCTS	ACCELERATED AGEING TEST(CHANGE IN HARDNESS)	ASTM D 573: 2015	1 SHORE A to 30 SHORE A
10	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHETIC RUBBER AND PRODUCTS	ACCELERATED AGEING TEST(CHANGE IN TENSILE STRENGTH)	IS 3400:PART 4: 2017	0.1 % to 200 %
11	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHETIC RUBBER AND PRODUCTS	ACCELERATED AGEING TEST(CHANGE IN TENSILE STRENGTH)	ASTM D 573: 2015	0.1 % to 200 %
12	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHETIC RUBBER AND PRODUCTS	ADHESION OF RUBBER TO TEXTILE FABRIC	IS 3400:PART 5: 2014	0.1 kN/m to 50 kN/m



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13	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHETIC RUBBER AND PRODUCTS	ADHESION OF RUBBER TO TEXTILE FABRIC	ASTM D 413: 2017	0.1 kN/m to 50 kN/m
14	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHETIC RUBBER AND PRODUCTS	ANGULAR TEAR STRENGTH	IS 3400:PART 17: 2014	10 N/mm to 100 N/mm
15	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHETIC RUBBER AND PRODUCTS	ASH CONTENT	ASTM D 297,SECTION 35: 2015	0.01 % to 60 %
16	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHETIC RUBBER AND PRODUCTS	COMPRESSION SET	IS 3400: PART 10: 2014	1 % to 100 %



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17	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHE TIC RUBBER AND PRODUCTS	EFFECT OF LIQUID(WATER ABSORPTION/SWELLI NG TEST)	IS 3400:PART 6: 2017	0.1 % to 100 %
18	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHE TIC RUBBER AND PRODUCTS	EFFECT OF LIQUID(WATER ABSORPTION/SWELLI NG TEST)	ASTM D 471: 2016	0.1 % to 100 %
19	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHE TIC RUBBER AND PRODUCTS	ELONGATION AT A GIVEN STRESS	IS 3400: PART 1: 2017	1 % to 900 %
20	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHE TIC RUBBER AND PRODUCTS	ELONGATION AT A GIVEN STRESS	ASTM D 412: 2016	1 % to 900 %



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21	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHETIC RUBBER AND PRODUCTS	ELONGATION AT BREAK	IS 3400:PART 1: 2017	1 % to 900 %
22	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHETIC RUBBER AND PRODUCTS	ELONGATION AT BREAK	ASTM D 412: 2016	1 % to 900 %
23	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHETIC RUBBER AND PRODUCTS	HARDNESS	IS 3400: PART 23: 2017	10 SHORE A to 95 SHORE A
24	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHETIC RUBBER AND PRODUCTS	HARDNESS	ASTM D 2240: 2015	10 SHORE A to 95 SHORE A



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25	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHETIC RUBBER AND PRODUCTS	REBOUND RESILIENCE	IS 3400:PART 11: 2017	15 % to 80 %
26	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHETIC RUBBER AND PRODUCTS	REBOUND RESILIENCE	ASTM D 2632: 2015	15 % to 80 %
27	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHETIC RUBBER AND PRODUCTS	SPECIFIC GRAVITY	ASTM D 297: 2015	0.05 to 5
28	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHETIC RUBBER AND PRODUCTS	STRESS AT A GIVEN ELONGATION	IS 3400: PART 1: 2017	1 Mpa to 25 Mpa



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29	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHETIC RUBBER AND PRODUCTS	STRESS AT A GIVEN ELONGATION	ASTM D 412: 2016	1 MPa to 25 MPa
30	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHETIC RUBBER AND PRODUCTS	TEAR STRENGTH	ASTM D 624: 2012	10 N/mm to 100 N/mm
31	MECHANICAL- RUBBER AND RUBBER PRODUCTS	GASKETS,SEALS,PAC KINGS,INDUSTRIAL BELTS,NATURAL RUBBER AND PRODUCTS,SYNTHETIC RUBBER AND PRODUCTS	TENSILE STRENGTH	ASTM D 412: 2016	1 MPa to 25 MPa