National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CQA-TESTING AND CALIBRATION LABORATORY, VARROC POLYMERS PVT. LTD., VPPL-II, E-88, MIDC RANJANGAON, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 08/10/2021 to 07/10/2023 **Last Amended on** -

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	CHEMICAL- CORROSION TESTS	Metals, Coated, Plated, Painted Parts	Resistance to Corrosion	IS 9844
2	CHEMICAL- CORROSION TESTS	Metals, Coated, Plated, Painted Parts	Resistance to Corrosion	ISO 9227
3	CHEMICAL- CORROSION TESTS	Metals, Coated, Plated, Painted Parts	Resistance to Corrosion	JIS 2371
4	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Component/ Test specimen	Flammability/ Burning Behaviour (Horizontal Burning)	FMVSS 302
5	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Component/ Test specimen	Flammability/ Burning Behaviour (Horizontal Burning)	IS 15061
6	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Elongation	ISO 527-2
7	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Analysis of Polymers	ASTM E1252 (By infrared Spectroscopy)
8	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Ash Content	ISO 3451-1 (Method A)
9	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Ash Content	ASTM D5630 (Method B)
10	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Charpy Impact	ISO 179-1
11	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Charpy Impact	ISO 2818
12	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Color	ASTM D2244
13	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Density/ Specific Gravity	ASTM D792
14	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Density/ Specific Gravity	ISO 1183-1
15	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Elongation	ASTM D638
16	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Elongation	ASTM D882
17	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Elongation	ISO 527-1
18	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Elongation	ISO 527-3

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19	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Flexural Modulus	ASTM D790
20	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Flexural Modulus	ISO 178
21	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Flexural Strength	ASTM D790
22	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Flexural Strength	ISO 178
23	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Gloss @ 60°	ASTM D523
24	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Hardness Shore D	ASTM D2240
25	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Heat Deflection Temperature (HDT)	ASTM D648
26	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Heat Deflection Temperature (HDT)	ISO 75-1, 2
27	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Izod Impact	ASTM D256
28	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Izod Impact	ISO 180
29	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Izod Impact	ISO 2818
30	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Melt Mass - Flow Rate (MFR)	ASTM D1238
31	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Melt Mass - Flow rate (MFR)	ISO 1133- 1, 2
32	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Melt Volume - Flow Rate (MVR)	ASTM D1238
33	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Melt Volume - Flow Rate (MVR)	ISO 1133- 1, 2
34	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Peel Strength	ISO 8510-2
35	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Tensile Strength	ASTM D882
36	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Tensile Strength	ISO 527-1
37	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Tensile Strength	ISO 527-2

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38	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Tensile Strength	ISO 527-3
39	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Vicat Softening Temperature (VST)	ASTM D1525
40	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic & Plastic Products	Vicat Softening Temperature (VST)	ISO 306
41	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic (Components/ Assemblies)	Resistance to Environmental Cycling	GMW14650
42	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic (Components/ Assemblies)	Resistance to Environmental Cycling	PV1200
43	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic (Components/ Assemblies)	Resistance to Environmental Cycling	PV2005
44	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic material & products	Tensile Strength	ASTM D638
45	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Foam	Compression set	ASTM D3574 (Method D)
46	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Foam	Compression set	IS 7888
47	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Foam	Compression set	ISO 1856
48	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Foam	Density	ASTM D3574 (Test A)
49	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Foam	Density	IS 7888
50	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Foam	Elongation	ASTM D3574 (Test E)
51	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Foam	Elongation	IS 7888
52	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Foam	Elongation	ISO 1798
53	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Foam	Heat Aging	ASTM D3574 (Method K)
54	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Foam	Heat Aging	IS 7888
55	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Foam	Indentation load test	ASTM D3574 (Method B1, B2, C)
56	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Foam	Indentation Load Test	IS 7888

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57	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Foam	Tear Strength	ASTM D3574 (Test F)
58	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Foam	Tear Strength	ASTM D624 Die C
59	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Foam	Tear Strength	JIS K 6301
60	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Foam	Tensile Strength	ASTM D3574 (Test E)
61	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Foam	Tensile Strength	IS 7888
62	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Foam	Tensile Strength	ISO 1798
63	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Foam test specimen	Flammability/ Burning Behaviour (Horizontal Burning)	FMVSS 302
64	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Foam test specimen	Flammability/ Burning Behaviour (Horizontal Burning)	IS 15061
65	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber	Analysis of Polymers	ASTM E1252 (By Infrared Spectroscopy)
66	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber	Ash Content	ASTM D297 (Sec. No. 35)
67	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber	Ash Content	IS 3400 (Part 22, Sect. A-8)
68	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber	Elongation	ASTM D412 (Method A)
69	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber	Elongation	IS 3400 (Part 1)
70	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber	Elongation	ISO 37
71	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber	Hardness Shore A	ASTM D2240
72	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber	Heat Aging - Change in Elongation	IS 3400 (Part 4)
73	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber	Heat Aging - Change in Elongation	ISO 188
74	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber	Heat Aging - Change in Hardness	IS 3400
75	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber	Heat Aging - Change in Hardness	ISO 188

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76	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber	Heat Aging - Change in Tensile	IS 3400 (Part 4)
77	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber	Heat Aging - Change in Tensile	ISO 188
78	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber	Tear Strength	ASTM D624
79	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber	Tear Strength	IS 3400 (Part 17)
80	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber	Tensile Strength	ASTM D412 (Method A)
81	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber	Tensile Strength	IS 3400 (Part 1)
82	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber	Tensile Strength	ISO 37
83	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber component/ Test specimen	Flammability/ Burning Behaviour (Horizontal Burning)	FMVSS 302
84	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber component/ Test specimen	Flammability/ Burning Behaviour (Horizontal Burning)	IS 15061
85	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Analysis of Polymers	ASTM E1252 (By Infrared Spectroscopy)
86	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Appearance	IS 1259
87	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Appearance	IS 8698
88	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Color - L value	ASTM D2244
89	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Colour Shade	IS 1259
90	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Elongation	IS 7016 (Part 2)
91	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Elongation	JIS K 6772
92	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Gelling test	IS 8698 (Clause 4.7)
93	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Gloss @ 60°	ASTM D523
94	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Mass per Square meter (GSM)	IS 7016 (Part 1, Sr. No. 4)

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95	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Peel/ Adhesion Strength	IS 7016 (Part 5)
96	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Peel/ Adhesion Strength	ISO 2411
97	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Peel/ Adhesion Strength	JIS K 6772
98	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Resistance to Heat (without removing coating)	IS 1259 (Appendix B)
99	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Tear Strength	IS 7016 (Part 3, Method A2)
100	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Tear Strength	JISK 6772
101	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Tensile Strength	IS 7016 (Part 2)
102	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Tensile Strength	JIS K 6772
103	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Thickness	IS 7016 (Part 1, Sr. No. 5)
104	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Thickness	IS 8698 (Appendix A)
105	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Thickness	JIS K 6772
106	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Width of Roll	IS 7016 (Part 1, Clause 3)
107	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics/ Rexine Test Specimen	Flammability/ Burning Behaviour (Horizontal Burning)	FMVSS 302
108	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics/ Rexine Test Specimen	Flammability/ Burning Behaviour (Horizontal Burning)	IS 15061