National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LAB, KLJ POLYMERS AND CHEMICALS LTD., UNIT -II, SURVEY NO 177, JAMALPADA ROAD, SILVASSA, DADRA AND NAGAR HAVELI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8491 **Page No** 1 of 4

Validity 09/05/2021 to 08/05/2023 **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- PLASTIC & RESINS	PE Compound and Polymer compound	Carbon Black Content	ASTM D1603
2	CHEMICAL- PLASTIC & RESINS	Polymer compound	Volatile Loss	ASTM D1203
3	CHEMICAL- PLASTIC & RESINS	Polymer compound	Water Absorption	IS 10810 (Part 33)
4	CHEMICAL- PLASTIC & RESINS	Polymer compound	Water Content Method A	ISO 15512
5	CHEMICAL- PLASTIC & RESINS	Polymer compound -TP/EP	Ash (Filler) Content	IS 15226
6	CHEMICAL- PLASTIC & RESINS	Polymer Compound and PVC Compound	Ammonia Test	ISO 3826
7	CHEMICAL- PLASTIC & RESINS	Polymer compounds	Karl Fischer Moisture Comtent	ASTM E203
8	CHEMICAL- PLASTIC & RESINS	PVC and Polymer compound	Acidity & Alkalinity	ISO 3826-1
9	CHEMICAL- PLASTIC & RESINS	PVC and Polymer Compound	Amount of Halogen Acid Gas	IEC 754 (Part 1)
10	CHEMICAL- PLASTIC & RESINS	PVC and Polymer compound	Chloride Ion Test	ISO 3826
11	CHEMICAL- PLASTIC & RESINS	PVC and Polymer Compound	Degree of Coloration	ISO 3826
12	CHEMICAL- PLASTIC & RESINS	PVC and Polymer compound	Extractable Plasticizer	ISO 3826 (Part 1)
13	CHEMICAL- PLASTIC & RESINS	PVC and polymer compound	Opalescence Test	ISO 3826
14	CHEMICAL- PLASTIC & RESINS	PVC and Polymer compound	Oxidisable Matter	ISO 3826
15	CHEMICAL- PLASTIC & RESINS	PVC and Polymer compound	pH Test	IS 1390
16	CHEMICAL- PLASTIC & RESINS	PVC and Polymer compound	Phthalate Content by GLC	ASTM D3465
17	CHEMICAL- PLASTIC & RESINS	PVC and Polymer compound	Residue on Evaporation	ISO 3826 (Part 1)
18	CHEMICAL- PLASTIC & RESINS	PVC and Polymer compound	Residue on Ignition	ISO 3826 (Part 1)

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Certificate Number TC-8491 **Page No** 2 of 4

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19	CHEMICAL- PLASTIC & RESINS	XLPE and Polymer compound	Moisture Content by Oven	IS 7086 (Part 1)
20	CHEMICAL- PLASTIC & RESINS	XLPE, PE, and Polymer compound	Environmental Stress Cracking Resistance (ESCR)	ASTM D1693
21	ELECTRICAL- INSULATING MATERIALS & INSULATORS	EP Compound	Glow Wire Test	IEC 60695 (Part 2)
22	ELECTRICAL- INSULATING MATERIALS & INSULATORS	PE compound & Engineering Polymer Compound	DC Volume Resistivity	ASTM D4325
23	ELECTRICAL- INSULATING MATERIALS & INSULATORS	PE compound & Engineering Polymer Compound	Dielectric Constant	ASTM D150/IEC 60250
24	ELECTRICAL- INSULATING MATERIALS & INSULATORS	PE Compound & Polymer compound	Wet Insulation Resistance (Wet IR)	IS 10810 (Part 43)
25	ELECTRICAL- INSULATING MATERIALS & INSULATORS	PE Compound and Engineering Polymer compound	Dielectric Strength	ASTM D149/IEC 60243
26	ELECTRICAL- INSULATING MATERIALS & INSULATORS	PE compound and Engineering Polymer compound	Volume Resistivity	IS 3396
27	ELECTRICAL- INSULATING MATERIALS & INSULATORS	PE polymer compound and Engineering Polymer compound	Dissipation Factor	ASTM D150/IEC 60250
28	ELECTRICAL- INSULATING MATERIALS & INSULATORS	PVC, PE compound and Polymer compound	Insulation Resistance Constant	IS 10810 (Part 43)
29	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Compound	Izod Impact Test	ASTM D256
30	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer Compound	Abrasion Resistance	DIN ISO 4649:2010/IS 3400 (Part 3)
31	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer Compound	Bennewart Flex Cut Growth	SATRA TM 161
32	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer compound	Carbon Black Dispersion	ISO 18553
33	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer Compound	Charpy Impact Strength	IS 13360 (Part 5, Section 5)
34	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer Compound	Colour by Spectrophotmeter	ASTM D2244

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Certificate Number TC-8491 **Page No** 3 of 4

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35	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer Compound	Compression Set	ASTM D395
36	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer Compound	Density of Foam Sheet	ASTM D792
37	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer Compound	Elongation	ASTM D638
38	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer Compound	Flexural Strength	ASTM D790
39	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer Compound	Hardness	ASTM D2240
40	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer Compound	Heat Deflection Temperature	ASTM D648
41	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer Compound	Limiting Oxygen Index	ASTM D2863
42	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer Compound	Melt Flow Rate	ASTM D1238
43	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer Compound	Permanent Set	IS 10810 (Part 30)
44	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer Compound	Shrinkage Test	IS 7098 (Part 1)
45	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer Compound	Smoke Density Rating	ASTM D2843
46	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer Compound	Specific Gravity	ASTM D792
47	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer Compound	Tear Strength	ASTM D624
48	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer Compound	Tear Strength	IS 10810 (Part 17)
49	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer Compound	Temperature Index	IS 10810 (Part 64)
50	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer Compound	Tensile Strength	ASTM D412
51	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer Compound	Tensile Strength	IS 10810 (Part 7)
52	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer Compound	Tensile Test	ASTM D638
53	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer Compound	Vicat Softening Point	ASTM D1525

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54	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	PVC Compound	Thermal Stability	IS 5831
55	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	TP/EP Compound	Vertical Flammability Test	UL 94
56	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	XLPE Compound	Ageing Test (Weight Loss)	IS 10810 (Part 10 & 11)
57	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	XLPE Compound	Hot Set	IS 10810 (Part 30)