



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** FINE FINISH ANALYTICAL LABORATORY, PLOT NO 29 & 76, NEW CHEMICAL ZONE, TALOJA, MAHARASHTRA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-6332 **Page No** 10 of 22

**Validity** 29/09/2024 to 28/09/2026 **Last Amended on** -

### Mechanical Scope of accreditation from 180- 415

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
171	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polymer & Polymer Matrix Composite Material	Surface Resistivity	ISO 14309
172	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polymer & Polymer Matrix Composite Material	Volume Resistivity	60455-2-2
173	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polymer & Polymer Matrix Composite Material	Volume Resistivity	ISO 14309
174	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polymer & Polymer Matrix Composite Material	Volume Resistivity	ASTM D 257-14
175	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polymer & Polymer Matrix Composite Material	Volume Resistivity	IEC 62631-3-1
176	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polymer & Polymer Matrix Composite Material	Volume Resistivity	IS 3396
177	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polymer & Polymer Matrix Composite Material	Determination of Electrical Resistance of conducting tape	FF/TM-168
178	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polymer & Polymer Matrix Composite Material	Surface resistance of conducting glass laminate	FF/TM-169
179	ELECTRICAL- INSULATING MATERIALS & INSULATORS	Polymer & Polymer Matrix Composite Material	Volume resistivity of conducting glass laminate	FF/TM-169
180	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics, Polymers & composites	In Flexure - Dual Cantilever Beam (Storage modulus)	ASTM D 5418
181	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics, Polymers & composites	In Flexure - Three Point Bending (loss modulus)	ASTM D 5023
182	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	adhesives	Climbing Drum Peel	ASTM D 1781
183	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Coating and films	Pull-Off Strength	ASTM D 4541
184	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Composite material	In-Plane Shear Properties of Polymer Matrix Composite by Rail Shear Method	ASTM D 4255
185	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Compressive Modulus of Foam	ASTM C 165
186	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Compressive Modulus of Foam	ASTM D 1621



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187	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Compressive Modulus of Foam	ISO 844
188	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Compressive Strength of Foam	ASTM C 165
189	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Compressive Strength of Foam	ASTM D 1621
190	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Compressive Strength of Foam	ISO 844
191	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Core Shear Modulus	ASTM C 273
192	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Core Shear Modulus	ASTM D 7249/D7249M
193	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Core Shear Modulus	ASTM D 7250/D7250M
194	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Core Shear Properties of Sandwich Constructions by Beam Flexure	ASTM C 393
195	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Core Shear Strength	ASTM C 273
196	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Density of Foam	ASTM C 271
197	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Density of Foam	ISO 845
198	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Edgewise compressive strength of sandwich construction	ASTM C 364
199	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Flame height	ASTM D3014
200	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Flatwise compressive properties of sandwich cores	ASTM C 365
201	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Flatwise tensile strength of sandwich construction	ASTM C 297
202	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Flexural Stiffness	ASTM D 7249/D7249M
203	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Flexural Stiffness	ASTM D 7250/D7250M
204	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Mass percentage retained	ASTM D 3014
205	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Tensile Properties of Foam	ASTM D 1623



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206	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Tensile Properties of Foam	ISO 1926
207	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Time to extinguishment	ASTM D 3014
208	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Transverse shear rigidity	ASTM D 7249/D7249M
209	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Transverse shear rigidity	ASTM D 7250/D7250M
210	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Water absorption of rigid cellular plastics	ASTM C 272
211	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam & Sandwich core composites	Water absorption of rigid cellular plastics	ASTM D 2842
212	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Glass fiber	Elongation at break	ISO 3341
213	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Glass Fiber reinforced Gypsum composite	Compressive properties	ASTM C 1355
214	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Glass Fiber reinforced Gypsum composite	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)	ASTM C 109
215	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Glass Fiber reinforced Gypsum composite	Flexural Properties of Thin-Section Glass-Fiber-Reinforced Concrete (Using Simple Beam With Third-Point Loading)	ASTM C 947
216	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Glass Fiber reinforced Gypsum composite	Physical Testing of Gypsum Panel Products - Nail pull resistance	ASTM C 473
217	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Glass Fiber reinforced Gypsum composite	Physical Testing of Gypsum, Gypsum plasters and Gypsum Concrete- Density	ASTM C 472
218	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Glass fibers	Breaking strength	ISO 3341
219	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Tensile strain	ASTM D882
220	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	% Elongation	ASTM D 3039
221	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	% Elongation	ASTM D 3916
222	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	% Elongation	ASTM D 638
223	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	% Elongation	ASTM D 6693

**This is annexure to 'Certificate of Accreditation' and does not require any signature.**



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224	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	% Elongation	IS 13360 (Part 5/Section2)
225	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	% Elongation	ISO 527-1,2
226	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	% Elongation	ISO 527-4
227	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	% Elongation	ISO 527-5
228	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	% Elongation of 45 degree laminate	ASTM D 3518
229	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	% Elongation of 45 degree laminate	ISO 14129
230	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Apparent hoop tensile strength	ASTM D 2290
231	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Barcol Hardness	ASTM D 2583
232	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Barcol Hardness	BS 2782-10 (Method 1001)
233	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Barcol Hardness	EN 59
234	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Barcol Hardness	IS 6746
235	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Bearing strength	ASTM D 953 (Procedure A)
236	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Bearing strength	ASTM D5961 / D5961M
237	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Bond Strength	ASTM D 2519
238	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Bond Strength	IEC 61033
239	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Bonding Strength	ASTM D229
240	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Charpy Impact Strength	ISO 179
241	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Charpy Impact Strength	ASTM D6110
242	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Cleavage strength	ASTM: D1062(Ra2015)
243	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Compressive Modulus	ASTM D 3410



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244	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Compressive Modulus	ASTM D 6641-16e1
245	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Compressive Modulus	ASTM D 695
246	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Compressive Modulus	IS 13360-Part 5, Section 8
247	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Compressive Modulus	ISO 14126
248	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Compressive Modulus	ISO 604
249	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Compressive Modulus- After Impact	ASTM D7137/D7137M
250	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Compressive Modulus- After Impact	ISO 18352
251	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Compressive strain	ASTM D 3410
252	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Compressive strain	ASTM D 6641-16e1
253	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Compressive strain	ASTM D 695
254	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Compressive strain	IS 13360-Part5-Setion 8
255	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Compressive strain	ISO 14126
256	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Compressive strain	ISO 604
257	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Compressive Strength	ASTM D 3410
258	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Compressive Strength	ASTM D 6641-16e1
259	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Compressive Strength	ASTM D 695
260	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Compressive Strength	IS 13360-Part5- Section8
261	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Compressive Strength	IS 1998
262	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Compressive Strength	ISO 14126
263	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Compressive Strength	ISO 604



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264	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Compressive Strength - After Impact	ASTM D7137/D7137M
265	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Compressive Strength- After Impact	ISO 18352
266	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Constituent content	ASTM D 2584
267	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Constituent content	ASTM D 3171
268	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Constituent content	EN 2331
269	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Constituent content	EN 2564
270	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Constituent content	ISO 1172
271	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Cross breaking strength	IS 1998
272	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Density	ASTM D 792
273	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Density	IS 13360 (Part 5/Sec 11)
274	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Density	ISO 1183
275	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Drop-Weight Impact-Impact Energy	ASTM D7136/D7136M
276	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Drop-Weight Impact-Impact Energy	ISO 18352
277	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Drop-Weight Impact-impact velocity	ASTM D7136/D7136M
278	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Drop-Weight Impact-Impact Velocity	ISO 18352
279	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Durometer Hardness- Shore D	IS 13360 (Part 5/Sec 11)
280	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Durometer Hardness- Shore A	ASTM D 2240
281	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Durometer Hardness- Shore A	IS 13360 (Part 5/Sec 11)
282	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Durometer Hardness- Shore A	ISO 868
283	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Durometer Hardness- Shore D	ASTM D 2240



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284	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Durometer Hardness- Shore D	ISO 868
285	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	E-modulus	ASTM D 3039
286	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	E-modulus	ASTM D 3916
287	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	E-modulus	ASTM D 638
288	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	E-modulus	IS 13360(Part 5/Section 2)
289	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	E-modulus	ISO 527-1,2
290	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	E-modulus	ISO 527-4
291	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	E-Modulus	ISO 527-5
292	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Filled hole compression	ASTM D 6742
293	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Filled hole tensile strength	ASTM D 6742
294	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Flammability	ASTM D 229
295	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Flammability	ASTM D 635
296	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Flammability	IS 11239 (Part12)
297	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Flammability	IS 6746
298	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Flammability	UL 94
299	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Flexural Modulus	ASTM D 4476
300	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Flexural Modulus	ASTM D 6272
301	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Flexural Modulus	ASTM D 7264
302	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Flexural Modulus	ASTM D 790-15e2
303	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Flexural Modulus	IS 13360 (Part 5/ section 7)



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304	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Flexural Modulus	ISO 14125
305	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Flexural Modulus	ISO 178
306	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Flexural Strain	ASTM D 6272
307	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Flexural Strain	ASTM D 7264
308	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Flexural Strain	ASTM D 790-15e2
309	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Flexural Strain	ASTM D4476
310	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Flexural Strain	IS 13360 (Part 5/section 7)
311	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Flexural Strain	ISO 14125
312	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Flexural Strain	ISO 178
313	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Flexural Strength	ASTM D 4476
314	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Flexural Strength	ASTM D 6272
315	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Flexural Strength	ASTM D 7264
316	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Flexural Strength	ASTM D 790-15e2
317	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Flexural Strength	IS 13360 (Part 5/section 7)
318	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Flexural Strength	ISO 14125
319	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Flexural Strength	ISO 178
320	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Gel time of Carbon Fiber-Epoxy prepreg	ASTM D 3532
321	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Heat Deflection temperature	ASTM D 648
322	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Heat Deflection temperature	IS 13360 (Part 6/section 17 &18)
323	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Heat Deflection temperature	ISO 75 (Part 1 & 2)



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324	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	In-Plane shear strength of 45 degree laminate	ASTM D 3518
325	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	In-Plane shear strength of 45 degree laminate	ISO 14129
326	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	In-Plane shear strength test for reinforced plastics	ASTM D 3846
327	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Izod Impact Strength	ASTM D 256-10
328	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Izod Impact Strength	ISO 180
329	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Lap Shear Strength	ASTM D1002-10
330	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Lap Shear Strength-FRP bonding	ASTM D 5868
331	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Lap Shear Strength-rigid to rigid bonding	ISO 4587
332	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Mid Span Deflection	ASTM D 790-15e2
333	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Open hole compression	ASTM D 6484
334	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Open hole Tensile strength	ASTM D 5766
335	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Peel Strength	ASTM 1876
336	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Peel Strength	ISO 11339
337	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Pin bearing strength	EN 13706
338	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Pipe stiffness	ASTM D 2412
339	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Poissons Ratio	ASTM D 3039
340	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Poissons Ratio	ASTM D 638
341	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Poissons Ratio	ASTM E 132
342	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Poissons Ratio	ISO 527-2,4,5
343	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Resistance to stains	IS 2046



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**Accreditation Standard** ISO/IEC 17025:2017

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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
344	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Riveting shear strength	FF/TM-153
345	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Secant Modulus	ISO 527
346	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Shear Modulus of 45 degree laminate	ASTM D 3518
347	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Shear Modulus of 45 degree laminate	ISO 14129
348	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Shear Properties of Composite Materials by the V-Notched Beam Method	ASTM D 5379
349	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Shear Properties of Composite Materials by V-Notched Rail Shear Method	ASTM D 7078
350	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Shear Strength	ASTM D 732
351	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Shear Strength	IS 1998
352	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Short Beam Strength	ASTM D 2344
353	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Short Beam Strength	ASTM D 4475
354	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Short Beam Strength	ISO 14130
355	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Specific Gravity	ASTM D 792
356	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Specific Gravity	IS 13360 (Part 3/Section 1)
357	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Specific Gravity	ISO 1183
358	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Tensile lap shear strength	BS 4994
359	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Tensile Modulus	ASTM D882
360	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Tensile Modulus of elasticity	IS 18255
361	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Tensile properties of Glass fiber strands, yarns & Roving	ASTM D 2343
362	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Tensile Single Lap shear Strength	ASTM D 3164



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363	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Tensile Single Lap shear Strength	ASTM D 3165
364	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Tensile Single Lap shear Strength	ASTM D 3528
365	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Tensile Single Lap shear Strength	Pr EN 6060
366	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Tensile Strength	ASTM D 3039
367	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Tensile Strength	ASTM D 3916
368	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Tensile Strength	ASTM D 638
369	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Tensile Strength	ASTM D 6693
370	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Tensile strength	ASTM D 882
371	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Tensile Strength	IS 13360 (Part 5/Section 2)
372	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Tensile Strength	IS 1998
373	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Tensile Strength	ISO 527-1,2,
374	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Tensile Strength	ISO 527-4
375	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Tensile Strength	ISO 527-5
376	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Tensile Strength of carbon tow	ASTM D 4018
377	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Thermal Endurance Characteristics of Electrical Insulating Varnishes Applied Over Film-Insulated Magnet Wire	ASTM D 3251
378	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Thermal endurance of film insulated round magnet wire	ASTM D 2307
379	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Thermal endurance of flexible sheet material	ASTM D 1830
380	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Thermal endurance of helical coil	ASTM D 3145
381	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Thermal endurance of rigid electrical insulating material	ASTM D 2304

**This is annexure to 'Certificate of Accreditation' and does not require any signature.**



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382	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Ultimate tensile force	IS 18255
383	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Ultimate tensile strain	IS 18255
384	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Ultimate tensile unit strength	BS 4994
385	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Void Content	ASTM D 2584
386	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Void Content	ASTM D 2734
387	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Void Content	ASTM D 3171
388	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Void Content	EN 2564
389	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Void Content	ISO 1172
390	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Volume Shrinkage	IS 13360(Part 3/Section 5)
391	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Volume Shrinkage	ISO 3521
392	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Water Absorption	ASTM C 948-81
393	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Water Absorption	ASTM D 5229
394	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Water Absorption	ASTM D 570
395	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Water Absorption	IS 13360-8-1
396	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Water Absorption	IS 1998
397	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Water Absorption	IS 6746
398	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials	Water Absorption	ISO 62
399	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials, Paints And Varnishes	Pull of test for adhesion	ISO 4624
400	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials, Prepreg	Resin flow	ASTM D3531/D3531M-16
401	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer & Polymer Matrix composite Materials, Rope	Breaking load	IS 7071 (Part 4)



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402	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	polymer and polymer matrix composite material	Dynamic mechanical properties by torsion pendulum method	ISO 6721-2
403	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer and polymer matrix composite material	Fiber content	IS 18255
404	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	polymeric product, resins	wear index using taber abrasion	ASTM D 4060
405	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymeric product, resins	Weight loss using taber abrasion	ASTM D 4060
406	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Prepregs	Constituent Content of Composite Prepreg	ASTM C613
407	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber	Compression Set	IS 3400-Part 10
408	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber	Density	ISO 2781
409	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber	Elongation of Rubber	ASTM D 412
410	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber	Tensile Strength of Rubber	ASTM D 412
411	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber and Rubber Products	% Ash Content	ASTM D 297
412	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber and Rubber Products	% Ash Content	IS 3400 (Part 22)
413	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber and Rubber Products	Compression Set	ASTM D 395
414	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber and Rubber Products	Density	ASTM D 297
415	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber and Rubber Products	Density	IS 3400 (Part 9)