

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Certificate of Accreditation

Accurate Test Solutions LLP

2nd Floor, B-50, Sector-2, Noida,
Gautam Buddha Nagar-201301, Uttar Pradesh, India

has been assessed and accredited in accordance with the Standard
ISO/IEC 17025:2017

“General Requirements for the Competence of Testing and Calibration Laboratories”
In the field of
Testing

This certificate remains valid for the Scope of Accreditation as specified
in the annexure subject to continued compliance to the above standard &
any other requirements specified by QAI.



QAI/CIA/TL/2025/0136

Valid from: 05 September 2025

Valid until: 04 September 2027

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Prof. Vikram Kumar
Chair, CIA



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Accreditation Standard: ISO/IEC 17025:2017

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Resins		
1.	Chlorinated Polyvinyl Chloride (CPVC) Fittings for Potable Hot and Cold-Water Distribution Supplies	Effect on Water (Lead content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-47
2.		Effect on Water (Mercury content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-48
3.		Effect on Water (Cadmium content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-41
4.		Effect on Water (Tin content)	IS 4985:2021/IS 12235 P-4&10
5.		Effect on Water ('di-n-octyl-tin-s-s bis iso-octyl mercapto acetate' and 'butyl stearate' etc Content)	IS 4985:2021/IS 12235 P-4&10
6.	Chlorinated Polyvinyl Chloride (CPVC) Pipes for potable Hot and Cold-Water Distribution Supplies	Chlorine content test	IS 15778:2007
7.		Effect on Water (Lead content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-47
8.		Effect on Water (Mercury content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-48
9.		Effect on Water (Cadmium content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-41
10.		Effect on Water (Tin content)	IS 4985:2021/IS 12235 P-4&10
11.		Effect on Water ('di-n-octyl-tin-s-s bis iso-octyl mercapto acetate' and 'butyl stearate' etc Content)	IS 4985:2021/IS 12235 P-4&10



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Resins		
12.	Flexible PVC Pipes or Polymer Reinforced Thermoplastic Hoses for Suction and Delivery Lines of Agriculture Pumps	Loss of mass on heating	IS 15265:2003
13.		Effect on Water (Lead content)	IS 4985:2021/IS 12235 P-4 &10/IS 3025 PART-47
14.		Effect on Water (Mercury content)	IS 4985:2021/IS 12235 P-4 &10/IS 3025 PART-48
15.		Effect on Water (Cadmium content)	IS 4985:2021/IS 12235 P-4 &10/IS 3025 PART-41
16.		Effect on Water (Tin content)	IS 4985:2021/IS 12235 P-4 &10
17.		Effect on Water ('di-n-octyl-tin-s-s bis iso-octyl mercapto acetate' and 'butyl stearate' etc Content)	IS 4985:2021/IS 12235 P-4 &10
18.	High Density Polyethylene Pipes for Sewerage	Carbon black content	IS 2530:1963
19.		Carbon black dispersion	IS 2530:1963
20.		Carbon black content (for loading)	IS 14333:2022/IS 2530
21.		Oxidation induction time	IS 4984:2016
22.		Volatile content	IS 4984:2016
23.		Ash content	IS 14333:2022
24.		Water content	IS 4984:2016

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Resins		
25.	Irrigation Equipment - Emitting Pipe Systems	Volatile content	IS 12786:2024
26.		Carbon Black Content	IS 2530:1963
27.		Antioxidant (DNPD)	IS 12786:2024
28.		Carbon Black Dispersion	IS 2530:1963
29.		Susceptibility to Environmental Stress Cracking	IS 12786:2024
30.	Irrigation Equipment - Emitting Pipe Systems	Toluene extract of carbon black	IS 12786:2024
31.	Irrigation Equipment - Polyethylene Pipes for Irrigation Laterals	Volatile content	IS 12786:2024
32.		Carbon Black Content	IS 2530:1963
33.		Antioxidant (DNPD)	IS 12786:2024
34.		Carbon Black Dispersion	IS 2530:1963
35.		Susceptibility to Environmental Stress Cracking	IS 12786:2024
36.		Toluene extract of carbon black	IS 12786:2024
37.	Plastics piping systems for water supply and for drainage and sewerage under pressure — Polyethylene (PE)	Carbon Black Content	ISO 6964:2019
38.		Carbon Black Dispersion	ISO 18553:2025
39.		Pigment dispersion	ISO 18553:2025
40.		Oxidation induction time	ISO 11357(Part 6):2025

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Resins		
41.		Pigment dispersion	ISO 18553:2025
42.		Overall migration test (Simulant -A)	IS 9845:1998
43.		Volatile content	EN 12099:1997
44.		Water content	ISO 15512:2019
45.	Polyethylene Pipes for the Supply of Gaseous Fuels	Volatile content	IS 4984:2016
46.		Anti-Oxidant	IS 2530:1963
47.		Oxidation Induction Time	IS 4984:2016
48.		Pigment dispersion	IS 14885:2022
49.		Effect of gas condensate	IS 14885:2022
50.		Water content	IS 4984:2016
51.	Polyethylene Pipes for Water Supply	Carbon black content	IS 2530:1963
52.		Carbon black content (for loading)	IS 2530:1963
53.		Ash content	IS 2530:1963
54.		Carbon black dispersion	IS 2530:1963
55.		Overall migration test (Simulant -A)	IS 9845:1998
56.		Volatile Content	IS 4984:2016
57.		Oxidation induction time	IS 4984:2016
58.		Water Content	IS 4984:2016

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Resins		
59.	Polypropylene-Random Copolymer Pipes for Hot and Cold-Water Supplies	Anti-oxidant	IS 15801:2008
60.		Carbon black content	IS 2530:1963
61.		Carbon black dispersion	IS 2530:1963
62.		Influence on water intended for human consumption (Test for overall migration simulant-A)	IS 9845 :1998
63.	Product for Irrigation Equipment- quick Coupled Polyethylene Pipes and Fittings for Sprinkler Irrigation Systems	Carbon black content (for loading)	IS 2530:1963
64.		Carbon Black Content	IS 2530:1963
65.		Antioxidant (DNPD)	IS 17425:2020
66.		Ash content	IS 17425:2020
67.		Carbon black dispersion	IS 2530:1963
68.	Product for Irrigation Equipment- quick Coupled Polyethylene Pipes and Fittings for Sprinkler Irrigation Systems	Rubber identification	IS 17425:2020
69.		Thermal stability	IS 4984:2016
70.		Volatile Matter	IS 4984:2016
71.		Water content	IS 4984:2016
72.	Unplasticized Non-Pressure Polyvinyl Chloride (PVC-U) Pipes for use in Underground	Effect on Water (Lead content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-47
73.		Effect on Water (Mercury content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-48

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Resins		
74.	Drainage and Sewerage Systems	Effect on Water (Cadmium content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-41
75.		Effect on Water (Tin content)	IS 4985:2021/IS 12235 P-4&10
76.		Effect on Water ('di-n-octyl-tin-s-s bis iso-octyl mercapto acetate' and 'butyl stearate' etc Content)	IS 4985:2021/IS 12235 P-4&10
77.	UPVC Injection Moulded Fittings for Soil and Waste discharge System for Inside and Outside Buildings Including Ventilation and Rain Water System	Resistance to sulphuric acid	IS 12235(Pt-7):2004
78.		Sulphated Ash Content	IS 14735:1999
79.		Effect on Water (Lead content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-47
80.		Effect on Water (Mercury content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-48
81.		Effect on Water (Cadmium content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-41
82.	UPVC Injection Moulded fittings for Soil and Waste discharge System for Inside and Outside Buildings including Ventilation and Rain Water System	Effect on Water (Tin content)	IS 4985:2021/IS 12235 P-4&10
83.		Effect on Water ('di-n-octyl-tin-s-s bis iso-octyl mercapto acetate' and 'butyl stearate' etc Content)	IS 4985:2021/IS 12235 P-4&10
84.		Titanium Dioxide Content	IS 14735:1999

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Resins		
85.	Fabricated PVC-U Fittings for Potable Water Supplies	K- Value	IS 4669:1968
86.		Effect on Water (Lead content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-47
87.		Effect on Water (Mercury content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-48
88.		Effect on Water (Cadmium content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-41
89.		Effect on Water (Tin content)	IS 4985:2021/IS 12235 P-4&10
90.	Fabricated PVC-U Fittings for Potable Water Supplies	Effect on Water ('di-n-octyl-tin-s-s bis iso-octyl mercapto acetate' and 'butyl stearate' etc Content)	IS 4985:2021/IS 12235 P-4&10
91.	Injection Moulded PVC Socket Fittings with Solvent Cement Joints for Water Supplies	Effect on Water (Lead content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-47
92.		Effect on Water (Mercury content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-48
93.		Effect on Water (Cadmium content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-41
94.	Injection Moulded PVC Socket Fittings with Solvent Cement Joints for Water Supplies	Effect on Water (Tin content)	IS 4985:2021/IS 12235 P-4&10
95.		Effect on Water ('di-n-octyl-tin-s-s bis iso-octyl mercapto acetate' and 'butyl stearate' etc Content)	IS 4985:2021/IS 12235 P-4&10

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Resins		
96.	Plastic and plastic products	Identification of Plastics	Simple Methods Identification of Plastics Dietrich Braun 5 th Edition Hanser Publication
97.	Rotational Moulded Polyethylene Water Storage Tank	Carbon Black Content	IS 2530:1963
98.		Carbon Black Dispersion	IS 2530:1963
99.		Overall migration test (Simulant -A)	IS 9845:1998
100.	Unplasticized Polyvinyl Chloride (PVC-U) Pipes for Soil and Waste Discharge System for Inside and Outside Buildings Including Ventilation and Rain Water System	K- Value	IS 4669:1968
101.		Effect on Water (Lead content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-47
102.		Effect on Water (Mercury content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-48
103.		Effect on Water (Cadmium content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-41
104.		Effect on Water (Tin content)	IS 4985:2021/IS 12235 P-4&10
105.		Effect on Water ('di-n-octyl-tin-s-s bis iso-octyl mercapto acetate' and 'butyl stearate' etc Content)	IS 4985:2021/IS 12235 P-4&10
106.		Resistance to dichloromethane	IS 12235(Pt-11):2004
107.		Resistance to Sulphuric Acid	IS 12235(Pt-7):2004
108.	Unplasticized PVC Pipes for Water Supplies	Effect on Water (Lead content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-47



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Resins		
109.	Unplasticized PVC Pipes for Water Supplies	Effect on Water (Mercury content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-48
110.		Effect on Water (Cadmium content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-41
111.		Effect on Water (Tin content)	IS 4985:2021/IS 12235 P-4&10
112.		Effect on Water ('di-n-octyl-tin-s-s bis iso-octyl mercapto acetate' and 'butyl stearate' etc Content)	IS 4985:2021/IS 12235 P-4&10
113.		K-Value	IS 4669:1968
114.		Sulphated Ash Content Test	IS 4985:2021
115.	UPVC Screen and Casing Pipes for Bore / Tube Well	Effect on Water (Lead content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-47
116.		Effect on Water (Mercury content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-48
117.		Effect on Water (Cadmium content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-41
118.		Effect on Water (Tin content)	IS 4985:2021/IS 12235 P-4&10
119.		Effect on Water ('di-n-octyl-tin-s-s bis iso-octyl mercapto acetate' and 'butyl stearate' etc Content)	IS 4985:2021/IS 12235 P-4&10
120.		K-Value	IS 4669:1968



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Resins		
121.	Injection Moulded/ Machined Polyethylene Fittings for Water Supply	Carbon black content	IS 2530:1963
122.		Carbon black content (for loading)	IS 2530:1963
123.		Ash content	IS 2530:1963
124.		Carbon black dispersion	IS 2530:1963
125.		Overall migration test (Simulant -A)	IS 9845:1998
126.		Volatile Content	IS 4984:2016
127.		Oxidation induction time	IS 4984:2016
128.		Water Content	IS 4984:2016
129.	Fabricated polyethylene fittings for water supply	Carbon black content	IS 2530:1963
130.		Carbon black content (for loading)	IS 2530:1963
131.		Ash content	IS 2530:1963
132.		Carbon black dispersion	IS 2530:1963
133.		Overall migration test (Simulant -A)	IS 9845:1998
134.		Volatile Content	IS 4984:2016
135.		Oxidation induction time	IS 4984:2016
136.		Water Content	IS 4984:2016
137.	Polymers (PP, PVC, PE, PS, ABS, polyamide, PC, PMMA)	Melting Temperature By DSC	ASTM D3418: 2021
138.		Glass transition temperature	ASTM D3418: 2021
139.		Crystallization temperature	ASTM D3418: 2021



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Resins		
140.	Plastic container	Overall migration test (Simulant -A)	IS 9845:1998
141.	PVC Plastic Pipe and fitting	Titanium Dioxide Contents	IS 12235(Pt-12):2004
142.	Polymers (PP, PVC, PE, PS, ABS, Polyamide, PC)	Ash content	IS 12235(Pt-17):2004
143.		Ash content	ASTM D5630:2022
144.	PVC Resin	K- Value	IS 4669:1968
145.	Carbon black master batch	Carbon black content(loading)	IS 2530:1963
146.	PE and PP material	Carbon Black Content	IS 2530:1963
147.	PE and PP compound	Antioxidant (DNPd)	IS 2530:1963
148.	PE and PP material	Carbon Black Dispersion	IS 2530:1963
149.	CPVC Plastic pipe, fitting and resin	Chlorine content test	IS 15778:2007
150.	PVC Plastic pipe and fitting	Effect on Water (Lead content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-47
151.	PVC Plastic pipe and fitting	Effect on Water (Mercury content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-48
152.		Effect on Water (Cadmium content)	IS 4985:2021/IS 12235 P-4&10/IS 3025 PART-41
153.		Effect on Water (Tin content)	IS: 4985:2021/IS 12235 P4&10



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	Plastic and Resins		
154.		Effect on Water ('di-n-octyl-tin-s-s bis iso-octyl mercapto acetate' and 'butyl stearate' etc Content)	IS 4985:2021/IS 12235 P-4&10
155.	PE Compound	Toluene extract of carbon black	IS 12786:2024
156.	Solvent Cement for use with Unplasticized Polyvinyl Chloride Plastic Pipe and Fittings	Effect on Water (Cadmium)	IS 14182:1994 / IS:3025 P-41: 2023
157.	Solvent Cement for use with Unplasticized Polyvinyl Chloride Plastic Pipe and Fittings	Effect on Water (Lead)	IS 14182:1994 / IS:3025 P-47: 2024
158.	Solvent Cement for use with Unplasticized Polyvinyl Chloride Plastic Pipe and Fittings	Effect on Water (Mercury)	IS 14182:1994 / IS:3025 P-48: 2025
159.	Solvent Cement for use with Unplasticized Polyvinyl Chloride Plastic Pipe and Fittings	Effect on Water organo tin compound (as tin)	IS 14182:1994 / IS:12235 P-10: 2004
160.	Solvent Cement for use with Unplasticized Polyvinyl Chloride Plastic Pipe and Fittings	Vinyl chloride polymer content test	IS 14182:1994

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Resins		
161.	Solvent Cement for use with Unplasticized Polyvinyl Chloride Plastic Pipe and Fittings	Dissolution	IS 14182:1994
162.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes For Water Supply	Effect on Water (Cadmium)	IS 16647:2017 /IS:3025 P-41: 2023
163.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes For Water Supply	Effect on Water (Lead)	IS 16647:2017 /IS:3025 P-47: 2024
164.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes For Water Supply	Effect on Water (Mercury)	IS 16647:2017 /IS:3025 P-48: 2025
165.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes For Water Supply	Resistance to Di-chloromethane at a specific temperature	IS 12235 (Part 11): 2004
166.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes For Water Supply	K-Value	IS 4669:1968
167.	Solvent Cement for use with chlorinated Polyvinyl Chloride Plastic Pipe and Fittings	Resin content test	IS 18837:2024

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Resins		
168.	Solvent Cement for use with chlorinated Polyvinyl Chloride Plastic Pipe and Fittings	Dissolution	IS 18837:2024
169.	Plastic Crates for Fruits And Vegetables	Resistance to Environmental Stress Cracking	IS 15532:2004
170.	Plastic Crates for Fruits And Vegetables	Colour migration	IS 9845:1998
171.	Plastics Bib Taps, Pillar Taps, Angle Valves And Stop Valves For Hot And Cold-Water Services	Resistance to residual chlorine in water	IS 9763:2000



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Material		
1.	Wooden Flush Door Shutter (Solid Core Type)	Moisture content	IS 1708 (Part 1): 1986
2.	Block Boards	Core (Moisture content)	IS 1141: 1993
3.	Block Boards	Spot Test	IS 1659: 2004
4.	Prelaminated Medium Density Fibre Boards of wood and other lignocellulosic Materials, Medium Density Fibre Boards, Prelaminated Medium Density Particle Boards, Medium Density particle Boards of wood	Moisture Content	IS 2380 (Part 3): 1977
5.	Block Boards/ Flush Door, Veneered Decorative Plywood, Plywood for General purposes, Fire Retardant Plywood, Marine Plywood, Plywood for Concrete Shuttering	Moisture Content	IS 1734 (Part 1): 1983
6.	Prelaminated Medium Density Fibre Boards of wood and other lignocellulosic Materials, Medium Density Fibre Boards, Prelaminated Medium Density	Formaldehyde content test	IS 13745: 2020

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Material		
	Particle Boards, Medium Density particle Boards of wood, Marine Plywood, Veneered Decorative Plywood, Plywood for Concrete Shuttering, Plywood for General purposes		
7.	Marine Plywood, Plywood for Concrete Shuttering	Retention of preservative Treatment test	IS 2753 (Part 1) : 1991/ IS 2753 (Part 2): 2014
8.	Prelaminated Medium Density Particle Boards	Resistance to strain test	IS 12823:2025
9.	Prelaminated Medium Density Fibre Boards	Resistance to strain test	IS 14587:2025
10.	Veneers/wooden strips	Moisture Content	IS 1734 (Part 1): 1977



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Adhesives		
1.	Synthetic Resin Adhesives for Plywood (Phenolic and Amino plastic)	PH of Adhesive	IS 848 :2025



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
1.	Chlorinated polyvinyl chloride (CPVC) Fittings for potable hot and cold-water distribution supplies	Classification of fittings	IS 17546:2021
2.		Colour	IS 17546:2021
3.		Density	IS 12235 (Part-14):2004
4.		Dimension of fitting (Socket length)	IS 17546:2021
5.		Dimension of fitting (Diameter)	IS 17546:2021
6.		Internal Hydrostatic Pressure Test at 20°C for 1 hr	IS 12235(Part 8/Sec 1):2004
7.		Verification of the malfunction Temp.	IS 15778:2007
8.		Internal Hydrostatic Pressure Test at 95°C for 1000 hrs	IS 12235(Part 8/Sec 1):2004
9.		Marking	IS 17546:2021
10.		Opacity	IS 12235(Part 3):2004
11.		Stress Relief Test	IS 12235 (Part 6):2004
12.		Thermal stability by hydrostatic pressure testing	IS 12235(Part 8)/Sec 1):2004
13.		Vicat Softening Temperature	IS 12235(Part 2):2004
14.		Visual Appearance	IS 17546:2021
15.		Wall Thickness	IS 17546:2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
16.	Chlorinated polyvinyl chloride (CPVC) Fittings for potable hot and cold-water distribution supplies	Classification of Pipe	IS 15778:2007
17.		Marking	IS 15778:2007
18.		Wall Thickness	IS 15778:2007
19.		Density	IS 12235 (Part 14):2004
20.		Diameter at any Point	IS 12235(Part 1):2004
21.		Flattening Test	IS 12235 (Part 19):2004
22.		Internal Hydrostatic Pressure Test	IS 12235 (Part 8)/Sec 1):2004
23.		Internal Hydrostatic Pressure Test at 95°C for 165 hrs	IS 12235 (Pt-8)/Sec-1:2004
24.		Length	IS 12235 (Pt-1):2004
25.		Ovality	IS 12235 (Pt-1):2004
26.		Mean outside Diameter	IS 12235 (Pt-1):2004
27.		Opacity	IS 12235 (Pt-3):2004
28.		Pipe Ends	IS 15778:2007
29.		Resistance to external below at 0°C	IS4985:2021
30.		Reversion Test	IS 12235(Pt-5):2004
31.		Tensile Strength	IS 12235(Pt-13):2004

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
32.	Chlorinated polyvinyl chloride (CPVC) Fittings for potable hot and cold-water distribution supplies	Thermal Stability by hydrostatic Pressure testing	IS 12235(Pt-8/Sec-1):2004
33.		Verification of the malfunction Temp.	IS 15778:2007
34.		Vicat Softening Temperature	IS 12235(Pt-2):2004
35.		Visual Appearance (Surface & Colour)	IS 15778:2007
36.	Chlorinated Polyvinyl Chloride Compounds Used for pipes and fittings	Vicat Softening Temperature	IS 12235(Pt-2):2004
37.		Charpy Impact strength	IS 13360(Pt- 5/Sec-5):2017
38.		Tensile Modulus	IS 13360(Pt-5/Sec-1):2018
39.		Density	IS 13360(Part 3/See 10&11): 2021
40.		Verification of the malfunction Temp.	IS 15778:2007
41.	Conduit Systems for cable Management	Tensile Strength	IS 13360(Part 5/Sec 1):2021
42.		Classification	IS 16205(Pt- 24):2017
43.		Marking	IS 16205(Pt-24):2017
44.		Bending Test	IS 16205 (Pt-24:2017)
45.		Compression Test	IS 16205 (Pt-1):2017
46.		Compression Test (Load taken)	IS 16205(Pt-24):2017

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
47.	Conduit Systems for cable Management	Construction	IS 16205 (Pt-1):2017
48.		Degree of Protection ingress of foreign solid objective (IP 6X)	IS 16205 (Pt-1):2017
49.		Degree of protection ingress of foreign solid objective (IPX7)	IS 16205 (Pt-1):2017
50.		Dimension (OD & ID)	IS 16205 (Pt-1):2017
51.		Electromagnetic Compatibility	IS 16205 (Pt-1):2017
52.		Fire Hazard	IS 16205 (Pt-1):2017
53.		Glow Wire	IS 16205 (Pt-1):2017
54.		Impact Test	IS 16205 (Pt-1):2017
55.		Marking	IS 16205 (Pt-1):2017
56.		Bending Test	IS 9537 (Pt-3):1983
57.	Conduits for electrical installations: General requirements	Collapse Test	IS 9537(Part 3):1983
58.		Resistance to heat	IS 9537(Part 3):1983
59.		Resistance to burning	IS 9537 (Part.1):1980
60.		Construction	IS 9537 (Part.1):1980
61.		Dimension of socket	IS 9537 (Part 3):1983

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
62.	Conduits for electrical installations: General requirements	Dimension (Inside Dia)	IS 9537 (Part 3):1983
63.		Dimension (Outside Dia)	IS 9537 (Part 3):1983
64.		Electrical Characteristics	IS 9537 (Part.1):1980
65.		Impact Test	IS 9537 (Part.1):1980
66.		Insulation resistance	IS 9537 (Part 3):1983
67.		Marking	IS 9537 (Part 3):1983
68.		Uniformity of the Wall thickness	IS 9537 (Part 3):1983
69.		Length	IS 9537 (Part 3):1983
70.		Compression Test	IS 9537 (Part 3):1983
71.	Fabricated PVC-U fitting for potable water supplies	Dimension of socket	IS 10124 (Part-1):2009
72.		Dimension of socket	IS 10124 (Part-2):2009
73.		Dimension of socket	IS 10124 (Part-3):2009
74.		Dimension of socket	IS 10124 (Part-4):2009
75.		Dimension of socket	IS 10124 (Part 5):2009
76.		Dimension of socket & flanged	IS 10124 (Part 6):2009
77.		Dimension of socket & threaded adaptors	IS 10124 (Part 7):2009



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
78.	Fabricated PVC-U fitting for potable water supplies	Dimension of socket	IS 10124 (Part 8):2009
79.		Dimension of socket	IS 10124 (Part 9):2009
80.		Dimension of socket	IS 10124 (Part 10):2009
81.		Dimension of socket	IS 10124 (Part 11):2009
82.		Dimension of socket	IS 10124 (Part 12):2009
83.		Dimension of socket	IS 10124 (Part 13):2009
84.		Wall Thickness	IS 10124 (Part-1):2009
85.		Wall Thickness	IS 10124 (Part-2):2009
86.		Wall Thickness	IS 10124 (Part-3):2009
87.		Wall Thickness	IS 10124 (Part-4):2009
88.		Wall Thickness	IS 10124 (Part 5):2009
89.		Wall Thickness of socket & flanged	IS 4985:2021
90.		Wall Thickness of socket & threaded adaptors	IS 10124 (Part 7):2009
91.		Wall Thickness	IS 10124 (Part 8):2009
92.		Wall Thickness	IS 10124 (Part-9):2009
93.		Wall Thickness	IS 10124 (Part 10):2009

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
94.	Fabricated PVC-U fitting for potable water supplies	Wall Thickness	IS 10124 (Part 11):2009
95.		Wall Thickness	IS 10124 (Part 12):2009
96.		Wall Thickness	IS 10124 (Part 13):2009
97.		Out of roundness	IS 10124 (Part 1):2009
98.		Length of socket	IS 10124 (Part 1):2009
99.		Dimension of Fitting (Solvent Cemented, Elastomeric Sealing Ring Joint, Grooved Socket, Fabricated Socket)	IS 10124 (Part 1):2009
100.		Marking	IS 10124 (Part1):2009
101.		Marking	IS 10124 (Part 2):2009
102.		Marking	IS 10124 (Part 3):2009
103.		Marking	IS 10124 (Part 4):2009
104.		Marking	IS 10124 (Part 5):2009
105.		Marking	IS 10124 (Part 6):2009
106.		Marking	IS 10124 (Part 7):2009
107.		Marking	IS 10124 (Part 8):2009
108.		Marking	IS 10124 (Part 9):2009

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
109.	Fabricated PVC-U fitting for potable water supplies	Marking	IS 10124 (Part 10):2009
110.		Marking	IS 10124 (Part 11):2009
111.		Marking	IS 10124 (Part 12):2009
112.		Marking	IS 10124 (Part 13):2009
113.		Depth of engagement	IS 10124 (Part 1):2009
114.		Opacity	IS 10124 (Part 1) :2009
115.		Out of Roundness	IS 10124 (Part 1) :2009
116.		Short Term Hydraulic	IS 10124(Part 1):2009
117.	Flexible PVC Pipes or Polymer Reinforced Thermoplastic Hoses for Suction and Delivery Lines of Agricultural Pumps	Loss in mass on heating	IS 15265:2003
118.		Bend radius	IS12656:2003
119.		Cold band radius	IS 15265:2003
120.		Construction	IS 15265:2003
121.		Dimension (ID, length)	IS 15265:2003
122.		Effect of sunlight	IS 15265:2003
123.		Hydrostatic burst	IS 15265:2003(Annex A)
124.		Hydrostatic Proof test	IS 15265:2003(Annex A)

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
125.	Flexible PVC Pipes or Polymer Reinforced Thermoplastic Hoses for Suction and Delivery Lines of Agricultural Pumps	Length	IS 15265:2003
126.		Pressure Impulse	IS 15265:2003(Annex B)
127.		Reinforced Fracture test Annex D	IS 15265:2003
128.		Vacuum test	IS 15265:2003(Annex C)
129.	Irrigation Equipment Emitters	Emitter end	IS 13487:2024
130.		Marking	IS 13487:2024
131.		Classification	IS 13487:2024
132.		Construction and Workmanship	IS 13487:2024
133.		Determination of Emitter Exponent	IS 13487:2024
134.		Uniformity emission rates	IS 13487:2024
135.		Emission rate as function of inlet pressure	IS 13487:2024
136.		Resistance to Hydrostatic pressure	IS 13487:2024
137.		Emitter Pull Out Test	IS 13487:2024
138.		Flow path in emitter (Dimension of smallest flow path)	IS 13487:2024



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
139.	Irrigation Equipment Quick Coupled Polyethylene pipes and fittings for Sprinkler irrigation Systems	Classification of pipe	IS 17425:2020
140.		Base Density	IS 7328:2020
141.		Base Density of raw material	IS 4984:2016
142.		Designation of coupler part	IS 17425:2020
143.		HDPE Male & female coupler	IS 17425:2020
144.		Change in Hardness (After Aging)	IS 17425:2020
145.		Dimension (Out Side Dia)	IS 17425:2020
146.		Dimension (ovality)	IS 17425:2020
147.		Dimension (Wall Thickness)	IS 17425:2020
148.		Dimension of Quick Coupled flanges	IS 17425:2020
149.		Dimension of Quick Coupled sprinkler saddles	IS 17425:2020
150.		Dimension of Quick Coupled pump connector	IS 17425:2020
151.		Dimension of Quick Coupled fitting (Diameter, wall thickness)	IS 17425:2020
152.		Fusion Compatibility	IS 17425:2020(Annex A)
153.		Holding Attachments for Coupler Parts	IS 17425:2020

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
154.	Irrigation Equipment Quick Coupled Polyethylene pipes and fittings for Sprinkler irrigation Systems	Hydraulic Characteristic (Quick coupled fittings)	IS 17425:2020(Annex A)
155.		Hydraulic Proof Test (Quick Coupled & Fitting)	IS 17425:2020
156.		Hydraulic Performance Characteristic (Plain PE Pipe)	IS 17425:2020(Annex A)
157.		Leakage Test	IS 17425:2020
158.		Material (Rubber Ring)	IS 17425:2020
159.		Material Coupler Pipe	IS 17425:2020
160.		Melt Flow index of raw material	IS 4984:2020
161.		Melt Flow Rate	IS 2530:1963
162.		Minimum elongation at break in raw material	IS 17425:2020
163.		Minimum Tensile Strength in raw material	IS 17425:2020
164.		Reversion	IS 17425:2020
165.		Rubber Ring	IS 17425:2020
166.		Shore A Hardness (Rubber Ring)	IS 17425:2020
167.		Elongation	IS 17425:2020(Annex D)

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
168.	Irrigation Equipment Quick Coupled Polyethylene pipes and fittings for Sprinkler irrigation Systems	Tensile Strength at Yield	IS 17425:2020(Annex D)
169.		Thermal Stability	IS 17425:2020
170.		Visual appearance and workmanship	IS 17425:2020
171.		Volatile Matter of raw material	IS 4984:2016
172.		Weldability Test	IS 17425:2020
173.	PE Pipes for Sewerage and Industrial Chemicals and Effluent	Designation	IS 14333:2022
174.		Coiling	IS 14333:2022
175.		Colour	IS 4984:2016
176.		Density of raw material	IS 7328:2020
177.		Melt flow rate of raw material	IS 2530:1963
178.		Density	IS 7328:2020
179.		Diameter	IS 4984:2016
180.		Internal Pressure, Creep Rupture Test (Type & acceptance)	IS 4984:2016(Annex E)
181.		Length	IS 14333:2022
182.		Melt flow rate	IS 2530:1963
183.		Out of squareness	IS 4984:2016



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
184.	PE Pipes for Sewerage and Industrial Chemicals and Effluent	Ovality	IS 4984:2016
185.		Reversion Test	IS 4984:2016
186.		Slow crack growth rate (Internal pressure Test for 500 hrs at 80°C	IS 4984:2016
187.		Tensile Strength at yield	IS 4984:2016(Annex H)
188.		Elongation at Break	IS 4984:2016 (Annex H)
189.		Tensile Strength for Butt-Fusion	IS 4984:2016
190.		Visual appearance	IS 14333:2022
191.		Wall Thickness	IS 4984:2016
192.	Plastic Materials & products	Tensile Strength at Break	IS 13360(Part 5/Sec1):2021
193.	Plastics Piping systems for water supply and for drainage and sewerage under pressure	Coiling	ISO 4427 P-2:2019
194.		Color	ISO 4427 P-2:2019
195.		Compound Density	ISO 1183-1 :2019
196.		Decohesion of an electrofusion Joint	ISO 13954:1997
197.		Elongation at break	ISO 6259 P-1 & 3:2015
198.		Hydraulic characteristic (Type Test Acceptance Test)	ISO 1167 (Part 1):2006

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Mechanical Testing			
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	Plastic and Plastic Products		
199.	Plastics Piping systems for water supply and for drainage and sewerage under pressure	Hydraulic characteristic (Type Test Acceptance Test)	ISO 1167(Part 2):2006
200.		Hydraulic Characteristic (Type Test, Acceptance Test)	ISO 4427 P-2:2019
201.		Length	ISO 4427:2019
202.		Longitudinal Reversion	ISO 2505:2023
203.		Diameter & thickness	ISO 3126:2005
204.		Melt flow rate of raw material	ISO 1133-1 :2022
205.		Melt Flow rate	ISO 1133-1:2022
206.		Ovality	ISO 4427(Part 2):2019
207.		Pigment Dispersion	ISO 18553:2002
208.		Resistance to slow crack growth	ISO 13479:2022
209.		Resistance to Weathering	ISO 16871:2003
210.		Tensile Strength for butt-fusion	ISO 13953:1999
211.		Classification & Designation	ISO 4427(Pt-2):2019
212.		Visual Appearance	ISO 4427(Pt-2):2019
213.		Wall Thickness	ISO 4427(Pt-2):2019
214.		Water Content	ISO 15512:2019

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
215.	Polyethylene Pipes for irrigation Lateral	Classification	IS 12786:2024
216.		Elongation at Break	IS 12786:2024
217.		Environmental stress cracking	12786:2024(Annex D)
218.		Hydraulic Test (Quality Test Acceptance Test)	12786:2024(Annex C)
219.		Dimension wall thickness	IS 12786:2024
220.		Reversion Test	IS 12786:2024
221.		Tensile Strength at Break	IS 12786:2024
222.		Visual appearance	IS 12786:2024
223.		Dimension outside diameter	IS 12786:2024
224.	Polyethylene Pipes for the Supply of Gaseous Fuels	Base Density	IS 7328:2020
225.		Base Density of raw material	IS 7328:2020
226.		Thermal Stability to Oxidation	IS 4984:2016
227.		Colour of Pipe	IS 14885:2022
228.		Designation	IS 14885:2022
229.		Effect of Gas constituents on the hydrostatic strength	IS 4984:2016
230.		Finish	IS 14885:2022
231.		Length of Pipe	IS 14885:2022

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
232.	Polyethylene Pipes for the Supply of Gaseous Fuels	Hydraulic characteristics – (Type Test, Acceptance Test)	IS 4984:2016
233.		Melt flow rate of raw material	IS 2530:1963
234.		MFI at 5 kg at 190°C	IS 2530:1963
235.		Outside diameter	IS 14885:2022
236.		Ovality	IS 14885:2022
237.		Pigment Dispersion	IS 14885:2022(Annex A)
238.		Resistance to Weathering	IS 14885:2022(Annex B)
239.		Resistance to Weathering	IS 14885:2022
240.		Reversion Test	IS 4984:2016(Annex F)
241.		Slow Crack Growth Rate Test	IS 4984 :2016
242.		Squeeze Off	IS 14885:2022(Annex C)
243.		Tensile Strength at yield	IS 4984 :2016
244.		Elongation at break	IS 4984 :2016
245.		Volatile loss / Volatile content	IS 4984:2016(Annex C)
246.		Wall Thickness	IS 14885:2022



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
247.	Rotational Moulded Polyethylene Water Storage Tank	Antioxidant	IS 12701:1996
248.		Construction	IS 12701:1996
249.		Density of raw material	IS 12701 :1996
250.		Wall Thickness of lids	IS 12701:1996
251.		Internal Diameter of Manhole	IS 12701:1996
252.		Net & Gross Capacity	IS 12701:1996
253.		Overall Diameter	IS 12701:1996
254.		Overall, Height	IS 12701:1996
255.		Wall Thickness	IS 12701:1996
256.		Weight of Tank	IS 12701:1996
257.		Flexural Modulus	IS 13360(Part 5/Sec 7):2022
258.		Melt Flow index	IS 12701:1996
259.		Melt Flow index of raw material	IS 2530:1963
260.		Resistance to Deformation	IS 12701:1996
261.		Resistance to Impact	IS 12701:1996
262.		Tensile Strength	IS 13360(Part 5/Sec 2):2017
263.		Test for top load Resistance	IS 12701:1996
264.		Finish	IS 12701:2016
265.		Visual inspection for flat area	IS 12701:2016

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
266.	Rotational Moulded Polyethylene Water Storage Tank	Wide band painted around the tank	IS 12701:2016
267.		Melt flow rate	IS 2530:1963
268.		Density (Raw material)	IS 7328:2020
269.		Density (Raw Material)	IS 7328:2020
270.	Specification for injection moulded PVC socket fitting with solvent cement joints for water supplies	Laying length	IS 7834(Pt-2):1987
271.		Laying length	IS 7834(Pt-3):1987
272.		Laying length	IS 7834(Pt-4):1987
273.		Laying length	IS 7834(Pt-5):1987
274.		Laying length	IS 7834(Pt-6):1987
275.		Laying length	IS 7834(Pt-7):1987
276.		Diameter	IS 7834(Pt-8):1987
277.		Dimension of Fitting (diameter, socket length)	IS 7834(Pt-1):1987
278.		Tapper angle	IS 7834(Pt-1):1987
279.		Opacity Test	IS 7834(Pt-1):1987
280.		Ovality (Max. out of roundness)/ Squareness	IS 7834(Pt-1):1987
281.		Short Term Hydraulic	IS 7834(Pt-1):1987
282.		Stress Relief Test	IS 7834(Pt-1):1987
283.		Thickness	IS 7834(Pt-1):1987

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
284.	Unplasticized Polyvinyl Chloride (UPVC) Injection Moulded Fittings for Soil and Waste Discharge System for Inside and Outside Buildings including Ventilation and Rain Water System	Axial Shrinkage	IS 13592:2013
285.		Colour	IS 13592:2013
286.		Wall thickness	IS 12235 (Part 1):2004
287.		Diameter	IS 12235(Part 1):2004
288.		Dimension of Socket (diameter, socket depth, thickness, length)	IS 13592:2013
289.		Effect of sunlight	IS 13592:2013
290.		Effect of sunlight	IS 12235 (Part 13):2004
291.		Length	IS 13592:2018
292.		Marking	IS 13592:2013
293.		Resistance to external below at 0°C	IS 12235(Part 9):2004
294.		Reversion test	IS 12235 (Part 5):2004
295.		Stress relief test	IS 12235(Part 6):2004
296.		Tensile Strength before and after exposure to sunlight	IS 12235 (Part 13):2004
297.		Vicat Softening Temperature	IS 12235(Part 2):2004



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
298.	Unplasticized Polyvinyl Chloride (UPVC) Injection Moulded Fittings for Soil and Waste Discharge System for Inside and Outside Buildings including Ventilation and Rain Water System	Visual Appearance/ Workmanship and Finish	IS 13592:2013
299.		Water tightness of joint	IS 13592:2013
300.		Impact Strength	IS 12235(Part 9):2004
301.		Tapper angle	IS 14735:1999
302.		Chamfer	IS 14735:1999
303.		Sealing ring hardness	IS 14735:1999
304.		Sealing ring	IS 14735:1999
305.		Water tightness of Joints	IS 14735 :1999(Annex D)
306.		Type of Fitting	IS 14735:1999
307.		Colour of Fitting	IS 14735:1999
308.		Design Requirement	IS 14735:1999
309.		Impact Test	IS 14735 :1999(Annex C)
310.		Manufacture	IS 14735:1999
311.		Diameter of spigot	IS 14735:1999
312.		Socket and spigot configuration	IS 14735:1999
313.		Socket Dimension (Depth, diameter, length, width)	IS 14735:1999

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
314.	Unplasticized Polyvinyl Chloride (UPVC) Injection Moulded Fittings for Soil and Waste Discharge System for Inside and Outside Buildings including Ventilation and Rain Water System	Vicat Softening Temperature (VST)	IS 12235(Part 2):2004
315.		Visual Appearance	IS 14735:1999
316.		Water tightness of Joints	IS14735:1999(Annex D)
317.		Workmanship	IS 14735:1999
318.		Socket Dimension (pipe clips diameter & distance)	IS 14735:1999
319.		Socket & spigot Dimension (Nahanni trap depth, diameter, distance, wall thickness)	IS 14735:1999
320.		Socket Dimension (vent cowl socket depth & wall thickness)	IS 14735:1999
321.		Socket Dimension (access opening diameter)	IS 14735:1999
322.		Wall Thickness	IS 14735:1999
323.		Stress Relief Test	IS 12235 (Part 6):2004
324.		Vicat Softening Point	IS 6307:2023
325.		Vicat Softening Point	IS 14735:1999



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
326.	Irrigation Equipment - Emitting Pipe Systems	Inside Diameter	IS 13488:2008
327.		Dimension of wall thickness	IS 13488:2008
328.		Fittings	IS 13488:2008
329.		Resistance to hydro static Pressure	IS 13488:2008
330.		Resistance to Pull Out of Joints Between Fitting and Emitting	IS 13488:2008
331.		Spacing of emitter units	IS 13488:2008
332.		Classification	IS 13488:2008
333.		Designation	IS 13488:2008
334.		Emission rate of functional of Inlet Pressure	IS 13488:2008
335.		Emitting Unit Exponent	IS 13488:2008
336.		Flow Path in emitter (Dimension of Smallest flow path)	IS 13488:2008
337.		Material	IS 13488:2008
338.		Resistance to Hydro static Pressure at Elevated Temperature	IS 13488:2008
339.		Resistance to tension at elevated temperature	IS 13488:2008

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
340.	Polyethylene Pipes for Water Supplies	Designation	IS 4984:2016
341.		Blue Strip	IS 4984:2016
342.		Width of Strip	IS 4984:2016
343.		Base density of raw material	IS 7328:2020
344.		Base density	IS 7328:2020
345.		Diameter	IS 4984:2016
346.		Internal Pressure, Creep Rupture Test (Type & Acceptance)	IS 4984:2016
347.		Length	IS 4984:2016
348.		Melt flow rate of raw material	IS 2530:1963
349.		MFI at 5 kg at 190°C	IS 2530:1963
350.		Ovality	IS 4984:2016
351.		Slow Crack growth Rate test	IS 4984:2016
352.		Reversion Test	IS 4984:2016
353.		Tensile Strength for Butt-Fusion	IS 4984:2016
354.		Tensile Strength at yield	IS 4984:2016 (Annex H)
355.		Tensile Strength & Elongation at Break	IS 4984:2016 (Annex H)
356.		Coiling	IS 4984:2016

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
357.	Polyethylene Pipes for Water Supplies	Colour	IS 4984:2016
358.		Depth of Blue Stripes	IS 4984:2016
359.		Identification of Strips	IS 4984:2016
360.		Visual appearance	IS 4984:2016
361.		Wall Thickness	IS 4984:2016
362.	Poly propylene random Copolymer Pipes for Hot and Cold-Water Supplies	Designation	IS 15801:2008
363.		Colour	IS 15801:2008
364.		Density of raw material	IS 13360(Part 3/Sec 10 &11):2021
365.		Density	IS 12235(Part-14):2004
366.		Impact Strength	IS 15801:2008
367.		Dimension (Outside Diameter)	IS 15801:2008
368.		Dimension of Pipe (Length of Straight Pipe)	IS 15801:2008
369.		Melt Flow index of raw material	IS 13360(Part 4/Sec 1:2000
370.		Impact Strength	IS 13360(Part 5/Sec 5):2017
371.		Dimension of Pipe (Ovality)	IS 15801:2008
372.		Dimension of Pipe (Wall Thickness)	IS 15801:2008



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
373.	Poly propylene random Copolymer Pipes for Hot and Cold-Water Supplies	Fusion Compatibility at 95°C for 165 hr	IS 12235(Part 8/Sec 1):2004
374.		Thermal stability	IS 12235(Part 8/Sec 1):2004
375.		Hydraulic Characteristic (Internal Creep Rupture test at 20°C for 1 hr)	IS 12235(Part 8/Sec 1):2004
376.		Hydraulic Characteristic (Internal Creep Rupture test at 95°C for 22hr)	IS 12235(Part 8/Sec 1):2004
377.		Hydraulic Characteristic (Internal Creep Rupture Test at 110°C for 8760 hr	IS 12235(Part 8/Sec 1):2004
378.		Hydraulic Characteristic (Internal Creep Rupture Test at 95°C for 1000 hr	IS 12235(Part 8/Sec 1):2004
379.		Hydraulic Characteristic (internal Creep Rupture Test at 95°C for 165 hr.	IS 12235(Part 8/Sec 1):2004
380.	Poly propylene random Copolymer Pipes for Hot and Cold-Water Supplies	Impact Strength	IS 15801:2008
381.		Melt Flow Rate	IS 13360(Part 4)/Sec 1):2000
382.		Opacity	IS 12235 (Part 3):2004
383.		Reversion Test	IS 12235 (Part 5/Sec 1&2:2004
384.		Visual Appearance	IS 15801:2008

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
385.	(PVC-U) Pipes for use in underground Drainage and Sewerage Systems - Specification as per IS 15328: 2003	Appearance	IS 15328:2003
386.		Dimension of pipe (Diameter, wall thickness, length)	IS 12235 (Part 1):2004
387.		Elastomeric Sealing Ring Joint (Internal Hydrostatic Pressure)	IS15328: 2003(Annex D)
388.		Length of the pipe	IS 15328:2003
389.		Longitudinal Reversion	IS 12235 (Part 5):2004
390.		Diameter	IS 15328:2003
391.		Resistance to internal hydrostatic pressure	IS 15328:2003
392.		Resistance to internal hydrostatic pressure	IS 12235 (Part-8):2004
393.		Ring Stiffness	IS 15328:2003
394.		Vicat Softening Temperature	IS 15328:2003
395.		Dimension of Socket & Spigot	IS 12235(Pt-1):2004
396.		Wall Thickness	IS 15328:2003
397.		Colour	IS 15328:2003
398.		Dimension of rubber ring type sockets and Spigot Ends (diameter, length, width, depth, thickness)	IS 15328:2003

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
399.	(PVC-U) Pipes for use in underground Drainage and Sewerage Systems - Specification as per IS 15328: 2003	Dimension of solvent type sockets and Spigot Ends (Diameter, length, width, depth, thickness)	IS 15328:2003
400.		Elastomeric Sealing Ring Joint (Internal Negative Hydrostatic Pressure Internal Vacuum)	IS 15328:2003(Annex E)
401.		Solvent cemented Joint (Internal Hydrostatic Pressure)	IS 15328:2003
402.		Solvent Cemented Joint (Internal Negative Hydrostatic Pressure Internal Vacuum)	IS 15328:2003
403.		Resistance internal hydrostatic Pressure (Type test at 60°C for 1000 hr)	IS 12235(Part 8):2004
404.		Resistance to internal hydrostatic pressure (a) acceptance test at 27°C for 1 hr	IS 12235(Part 8):2004
405.		Resistance to external blows at 0°C	IS 15328:2003
406.		Solvent Cemented Joint (Internal Hydrostatic Pressure)	IS 15328:2003



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
407.	UPVC Pipes for Water Supplies	Classification	IS 4985:2021
408.		Colour	IS 4985:2021
409.		Internal Hydrostatic Pressure Test (Type & Acceptance)	IS 12235(Part 8/Sec 1&4):2004
410.		Pipe Ends	IS4985:2021
411.		Resistance to external below at 0°C	IS4985:2021
412.	UPVC Pipes for Water Supplies	Density	IS 12235(Part 14):2004
413.		Length	IS 12235(Part 1):2004
414.		Opacity test	IS 12235(Part 3):2004
415.		Sealing rings	IS 4985:2021
416.		Socket ID/OD (mouth/root)	IS 4985:2021
417.		Vicat softening	IS 12235(Part 2):2004
418.		Reversion Test	IS 12235(Part 5/Sec 1&2):2004
419.		Visual appearance	IS 4985:2021
420.		Diameter	IS 12235(Part 1):2004
421.		Dimension of Socket (diameter, socket depth, thickness, length)	IS 4985:2021
422.		Wall Thickness	IS 12235(Part 1):2004
423.		Chamfer	IS 4985:2021
424.		Marking	IS 4985:2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
425.	UPVC Screen and Casing Pipes for Bore / Tubewell	Sealing Ring Hardness	IS 12818:2010
426.		Density	IS 12235(Part 14):2004
427.		Dimension of Socket & spigot (effective & segmental length, diameter, depth)	IS 12818:2010
428.		Length	IS 12818:2010
429.		Diameter (OD&ID)	IS 12235(Part 1):2016
430.		Resistance to external below at 0°C	IS 12235(Part 9):2004
431.		Designation	IS 12818:2016
432.		Visual appearance	IS 12818:2016
433.		Wall thickness	IS 12235(Part 1):2004
434.		Resistance to External Blow	IS 12235(Part 9):2004
435.	UPVC Screen and Casing Pipes for Bore / Tubewell	Height of Rib	IS 12235(Part 1):2004
436.		Vicat softening	IS 12235(Part 2):2004
437.		Tensile Strength	IS 12235(Part 13):2004
438.		Colour	IS 12818:2010
439.		Dimension of Rib, Slots	IS 12818:2010
440.		Dimension of Sealing elements (diameter, height, width)	IS 12818:2010
441.		Test for Internal Dia	IS 12818:2010

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
442.	Plastic and plastic products	Dimension of Screen and Casing Pipes thread	IS 12818:2010
443.		Dimension of Screen and Casing Pipes thread	IS 554:1999
444.		Density	ASTMD 792:2020
445.		Density	IS 12235(Part 14):2004
446.		Density	IS 13360(Part 3/Sec 10&11): 2021
447.		Density	ISO 845:2006
448.		Melt Flow index	ASTMD 1238:2023
449.		Melt Flow index	IS 13360(Part 4)/Sec 1):2000
450.		Melt Flow index	IS 2530:1963
451.		Elongation	ASTMD 638 :2022
452.		Elongation	IS 12235 P-13:2004
453.		Elongation	IS 13360(Part 5/Sec 2):2017
454.		Tensile modulus	ASTMD 638 :2022
455.		Tensile modulus	IS 12235 P-13:2004
456.		Tensile modulus	IS 13360(Part 5/Sec 2):2017
457.		Tensile Strength	ASTMD 638 :2022

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
458.	Plastic and plastic products	Tensile Strength	IS 12235(Part-13):2004
459.		Tensile Strength	IS 13360(Part-5/Sec 2:2017
460.		Flexural Modulus	ASTMD 790:2022
461.		Flexural Modulus	IS 13360(Part-5/Sec-7):2022
462.		Flexural Strength	ASTMD 790:2022
463.		Flexural Strength	IS 13360(Part-5/Sec-7):2022
464.		Compressive strength	ASTMD 695:2023
465.		Hardness	ASTMD 2240:2015
466.		VST Test	ASTMD 1525:2017
467.		HDT Test	ASTMD 648:2018
468.		IZOD Impact Test	ASTMD 256:2023
469.		Charpy Impact Test	ASTMD 6110:2018
470.	Injection Moulded/ Machined Polyethylene Fittings for Water Supply	Designation	IS 8008:2022
471.		Weld Lengths	IS 8008:2022
472.		Base density of raw material	IS 7328:2020
473.		Base density	IS 7328:2020
474.		Dimensions for Bends	IS 8008:2022

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
475.	Injection Moulded/ Machined Polyethylene Fittings for Water Supply	Dimensions for Tee	IS 8008:2022
476.		Dimensions for Reducers	IS 8008:2022
477.		Dimensions for Ferrule Reducers	IS 8008:2022
478.		Dimensions for Pipe End	IS 8008:2022
479.		Dimensions for Sandwich Flanges	IS 8008:2022
480.		Dimensions of Injection Moulded End Cap	IS 8008:2022
481.		Dimensions of Machine Moulded End Cap	IS 8008:2022
482.		Dimensions of Reducing Tee	IS 8008:2022
483.		Diameter	IS 4984:2016
484.		Internal Pressure, Creep Rupture Test (Type & Acceptance)	IS 4984:2016
485.		Laying Length	IS 8008:2022
486.		Melt flow rate of raw material	IS 2530:1963
487.		Melt flow rate	IS 2530:1963
488.		Ovality	IS 4984:2016
489.		Colour	IS 4984:2016



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
490.	Injection Moulded/ Machined Polyethylene Fittings for Water Supply	Visual appearance	IS 8008:2022
491.		Wall Thickness	IS 4984:2016
492.	Fabricated polyethylene fittings for water supply	Designation	IS 8360:2022
493.		Weld Lengths	IS 8360:2022
494.		Base density of raw material	IS 7328:2020
495.		Base density	IS 7328:2020
496.		Dimensions for Fabricated Bends	IS 8360:2022
497.		Dimensions for Fabricated Tees	IS 8360:2022
498.		Dimensions of Reducing Tee	IS 8360:2022
499.		Diameter	IS 4984:2016
500.		Internal Pressure, Creep Rupture Test (Type & Acceptance)	IS 4984:2016
501.		Laying Length	IS 8360:2022
502.		Melt flow rate of raw material	IS 2530:1963
503.		Melt flow rate	IS 2530:1963
504.		Ovality	IS 4984:2016
505.		Colour	IS 4984:2016

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
506.	Fabricated polyethylene fittings for water supply	Visual appearance	IS 8360:2022
507.		Wall Thickness	IS 4984:2016
508.		Tensile Strength for Butt-Fusion	IS 4984:2016
509.	Irrigation equipment - Hydro cyclone filters	Material	IS 14743:2024
510.		Construction	IS 14743:2024
511.		Cyclonic Vessel	IS 14743:2024
512.		Connection	IS 14743:2024
513.		Resistance of filter to internal hydraulic pressure	IS 14743:2024
514.		Resistance to Internal Hydrostatic Pressure at Elevated Temperatures	IS 14743:2024
515.		Pressure Drop Versus Flow (Clean pressure drop)	IS 14743:2024
516.		Cyclic Pressure Test	IS 14743:2024
517.		General	IS 12785:1994
518.		Strainer housing	IS 12785:1994
519.		Resistance of strainer element to buckling or tearing	IS 12785:1994
520.		Connection	IS 12785:1994

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
521.	Irrigation equipment - Hydro cyclone filters	Resistance of filter to internal hydraulic pressure	IS 12785:1994
522.		Resistance to Internal Hydrostatic Pressure at High Temperatures	IS 12785:1994
523.		Clean Pressure Drop	IS 12785:1994
524.		Tightness of strainer element	IS 12785:1994
525.	Solvent Cement for use with Unplasticized Polyvinyl Chloride Plastic Pipe and Fittings	Visual and applicability test	IS 14182:1994
526.	Solvent Cement for use with Unplasticized Polyvinyl Chloride Plastic Pipe and Fittings	Viscosity	IS 14182:1994
527.	Solvent Cement for use with Unplasticized Polyvinyl Chloride Plastic Pipe and Fittings	Lap shear strength	IS 14182:1994
528.	Solvent Cement for use with Unplasticized Polyvinyl Chloride Plastic Pipe and Fittings	Hydrostatic burst strength	IS 14182:1994

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
529.	Fertilizer And Chemical Injection System Part 1 Venturi Injector	Resistance of Venturi Injector to Internal Hydrostatic Pressure	IS 14483 (Part 1): 2024
530.	Fertilizer And Chemical Injection System Part 1 Venturi Injector	Performance Test	IS 14483 (Part 1): 2024
531.	Fertilizer And Chemical Injection System Part 1 Venturi Injector	Constructional Requirements	IS 14483 (Part 1): 2024
532.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes for Water Supply	Density	IS 12235 (Part-14):2004
533.	Oriented Unplasticized Polyvinyl Chloride (Pvc-O) Pipes For Water Supply	Opacity	IS 12235 (Part 3):2004
534.	Oriented Unplasticized Polyvinyl Chloride (Pvc-O) Pipes For Water Supply	Diameter	IS 12235 (Part 1):2004
535.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes For Water Supply	Wall Thickness	IS 12235 (Part 1) :2004
536.	Oriented Unplasticized Polyvinyl Chloride (Pvc-	Effective length	IS 16647 :2017

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
	O) Pipes For Water Supply		
537.	Oriented Unplasticized Polyvinyl Chloride (Pvc-O) Pipes For Water Supply	Dimension of Integral Socket	IS 16647 :2017
538.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes For Water Supply	Resistance to Hydrostatic Pressure of Pipes	IS 16647:2017 IS 16462:2016
539.	Oriented Unplasticized Polyvinyl Chloride (Pvc-O) Pipes For Water Supply	Resistance to Hydrostatic Pressure (Pipes with integral socket)	IS 12235 (Part 8) :2004
540.	Oriented Unplasticized Polyvinyl Chloride (Pvc-O) Pipes For Water Supply	Resistance to external blows at 0 °C	IS 12235 (Part 9) :2004
541.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes For Water Supply	Ring Stiffness	IS 12235 (Part 18) :2004
542.	Oriented Unplasticized Polyvinyl Chloride (Pvc-O) Pipes For Water Supply	Orientation factor	IS 16647: :2017
543.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes For Water Supply	Vicat Softening temperature	IS 12235 (Part 2) :2004



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
544.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes For Water Supply	Short term pressure test for leak tightness of assemblies	IS 12235 (Part 8/ Sec 2) :2004
545.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes For Water Supply	Short term negative pressure test for leak tightness of assemblies	IS 12235 (Part 8/ Sec 3) :2004
546.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes For Water Supply	Long term pressure test for leak tightness	IS 12235 (Part 8/ Sec 4) :2004
547.	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes For Water Supply	Colour	IS 16647 :2017
548.	Solvent Cement For Use With Chlorinated Polyvinyl Chloride Plastic Pipe And Fittings	Viscosity	IS 18837:2024
549.	Solvent Cement For Use With Chlorinated Polyvinyl Chloride Plastic Pipe And Fittings	Shelf stability test	IS 18837:2024
550.	Solvent Cement For Use With Chlorinated Polyvinyl	Hydrostatic burst strength	IS 18837:2024



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
	Chloride Plastic Pipe And Fittings		
551.	Solvent Cement For Use With Chlorinated Polyvinyl Chloride Plastic Pipe And Fittings	Hydrostatic Sustained pressure strength	IS 18837:2024
552.	Plastic Crates For Fruits And Vegetables	Dimensions (Length, width, height)	IS 15532:2004
553.	Plastic Crates For Fruits And Vegetables	Capacity	IS 15532:2004
554.	Plastic Crates For Fruits And Vegetables	Mass	IS 15532:2004
555.	Plastic Crates For Fruits And Vegetables	Handle Slot Dimension	IS 15532:2004
556.	Plastic Crates For Fruits And Vegetables	Dimensional Stability	IS 15532:2004
557.	Plastic Crates For Fruits And Vegetables	Confluence Line Strength	IS 15532:2004
558.	Plastic Crates For Fruits And Vegetables	Compressive Strength (Resistance to applied load)	IS 15532:2004
559.	Plastic Crates For Fruits And Vegetables	Resistance to Drop	IS 15532:2004



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
560.	Plastic Crates For Fruits And Vegetables	Handle Test	IS 15532:2004
561.	Plastics Bib Taps, Pillar Taps, Angle Valves And Stop Valves For Hot And Cold Water Services	Nominal Size and Dimensions	IS 9763:2000
562.	Plastics Bib Taps, Pillar Taps, Angle Valves And Stop Valves For Hot And Cold Water Services	Identification	IS 9763:2000
563.	Plastics Bib Taps, Pillar Taps, Angle Valves And Stop Valves For Hot And Cold Water Services	Minimum thickness	IS 9763:2000
564.	Plastics Bib Taps, Pillar Taps, Angle Valves And Stop Valves For Hot And Cold Water Services	Drip proofness test	IS 9763:2000
565.	Plastics Bib Taps, Pillar Taps, Angle Valves And Stop Valves For Hot And Cold Water Services	Thermal shock test	IS 9763:2000



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
566.	Plastics Bib Taps, Pillar Taps, Angle Valves And Stop Valves For Hot And Cold Water Services	Hydraulic pressure test	IS 9763:2000
567.	Plastics Bib Taps, Pillar Taps, Angle Valves And Stop Valves For Hot And Cold Water Services	Mechanical strength characteristics	IS 9763:2000
568.	Irrigation Equipment-Strainer-Type Filters	Resistance of strainer element to buckling or tearing	IS 12785:2026
569.	Irrigation Equipment-Strainer-Type Filters	Resistance of Strainer Filter to Internal Hydrostatic Pressure	IS 12785:2026
570.	Irrigation Equipment-Strainer-Type Filters	Resistance to Internal Hydrostatic Pressure at High Temperature	IS 12785:2026
571.	Irrigation Equipment-Strainer-Type Filters	Clean Pressure Drop	IS 12785:2026
572.	Irrigation Equipment-Strainer-Type Filters	Tightness of Filter element	IS 12785:2026
573.	Irrigation Equipment-Strainer-Type Filters	Cyclic Pressure Test	IS 12785:2026

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1.	Wooden Flush Door Shutter (Solid Core Type)	Grade, Type and Construction	IS 2202 (Part 1): 2023
2.	Wooden Flush Door Shutter (Solid Core Type)	Designation of door shutters	IS 2202 (Part 1): 2023
3.	Wooden Flush Door Shutter (Solid Core Type)	Dimension (Width)	IS 4020 (Part 2):1998
4.	Wooden Flush Door Shutter (Solid Core Type)	Dimension (Height)	IS 4020 (Part 2): 1998
5.	Wooden Flush Door Shutter (Solid Core Type)	Dimension (Thickness)	IS 4020 (Part 2): 1998
6.	Wooden Flush Door Shutter (Solid Core Type)	Dimension (Squareness)	IS 4020 (Part 2):1998
7.	Wooden Flush Door Shutter (Solid Core Type)	General flatness test (Twist, cupping & warping)	IS 4020 (Part 3):1998
8.	Wooden Flush Door Shutter (Solid Core Type)	Local planeness test (Depth of Variation)	IS 4020 (Part 4):1998
9.	Wooden Flush Door Shutter (Solid Core Type)	Impact indentation test	IS 4020 (Part 5):1998
10.	Wooden Flush Door Shutter (Solid Core Type)	Flexure test	IS 4020 (Part 6):1998

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
11.	Wooden Flush Door Shutter (Solid Core Type)	Edge loading test	IS 4020 (Part 7):1998
12.	Wooden Flush Door Shutter (Solid Core Type)	Shock resistance	IS 4020 (Part 8):1998
13.	Wooden Flush Door Shutter (Solid Core Type)	Buckling resistance test	IS 4020 (Part 9):1998
14.	Wooden Flush Door Shutter (Solid Core Type)	Slamming test	IS 4020 (Part 10):1998
15.	Wooden Flush Door Shutter (Solid Core Type)	Misuse	IS 4020 (Part 11):1998
16.	Wooden Flush Door Shutter (Solid Core Type)	Varying Humidity (General flatness test)	IS 4020(Part 12):1998
17.	Wooden Flush Door Shutter (Solid Core Type)	End immersion	IS 4020 (Part 13):1998
18.	Wooden Flush Door Shutter (Solid Core Type)	Knife test	IS 4020 (Part 14):1998
19.	Wooden Flush Door Shutter (Solid Core Type)	Glue adhesion	IS 4020 (Part 15):1998
20.	Wooden Flush Door Shutter (Solid Core Type)	Screw withdrawal resistance	IS 4020 (Part 16):1998

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
21.	Block Boards	Grade and Types	IS 1659:2004
22.	Block Boards	Core (Width of strips)	IS 1659:2004
23.	Block Boards	Cross band and faces	IS 1659:2004
24.	Block Boards	Cross band (Thickness)	IS 1659:2004
25.	Block Boards	Veneers (Thickness)	IS 1659:2004
26.	Block Boards	Permissible Defects	IS 1328:2025
27.	Block Boards	Dimension (Length)	IS 1659:2004
28.	Block Boards	Dimension (Width)	IS 1659: 2004
29.	Block Boards	Dimension (Thickness)	IS 1659: 2004
30.	Block Boards	Dimension (Variation in Thickness)	IS 1659: 2004
31.	Block Boards	Dimension (Edge Straightness)	IS 1659: 2004
32.	Block Boards	Dimension (Squareness)	IS 1659: 2004
33.	Block Boards	Dimensional Changes caused by Humidity	IS 1659: 2004

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
34.	Block Boards	Dimensional Changes caused by Humidity	IS 1659: 2004
35.	Block Boards	Resistance to water	IS 1659: 2004
36.	Block Boards	Adhesion of plies	IS 1659: 2004
37.	Block Boards	Modulus of Rupture	IS 1659: 2004
38.	Block Boards	Modulus of Elasticity	IS 1659: 2004
39.	Plywood for Concrete Shuttering	Type	IS 4990: 2024
40.	Plywood for Concrete Shuttering	Class	IS 4990: 2024
41.	Plywood for Concrete Shuttering	Defects in Veneers	IS 4990: 2024
42.	Plywood for Concrete Shuttering	Veneers (Variation of Thickness)	IS 4990: 2024
43.	Plywood for Concrete Shuttering	Dimension (Length)	IS 4990: 2024
44.	Plywood for Concrete Shuttering	Dimension (Width)	IS 4990: 2024
45.	Plywood for Concrete Shuttering	Dimension (Thickness)	IS 4990: 2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
46.	Plywood for Concrete Shuttering	Dimension (Edge Straightness)	IS 4990: 2024
47.	Plywood for Concrete Shuttering	Dimension (Squareness)	IS 4990: 2024
48.	Plywood for Concrete Shuttering	Workmanship & Finish	IS 4990: 2024
49.	Plywood for Concrete Shuttering, Marine Plywood	Glue Adhesion in Dry state (Glue Shear strength)	IS 1734 (Part 4):1983
50.	Plywood for Concrete Shuttering, Marine Plywood	Glue Adhesion in Dry state (Adhesion of plies)	IS 1734 (Part 5):1983
51.	Plywood for Concrete Shuttering, Marine Plywood	Resistance to Water Test	IS 4990: 2024
52.	Plywood for Concrete Shuttering Marine Plywood	Glue Shear strength after water resistance Test	IS 1734 (Part 4):1983
53.	Plywood for Concrete Shuttering, General purposes, Marine Plywood	Adhesion of plies after water resistance test	IS 1734 (Part 5):1983
54.	Plywood for Concrete Shuttering, Marine Plywood	Glue Shear strength after mycological test	IS 1734 (Part 4):1983
55.	Plywood for Concrete Shuttering, General purposes, Marine Plywood	Adhesion of plies after mycological test	IS 1734 (Part 5):1983

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
56.	Plywood for Concrete Shuttering, Marine Plywood	Wet Bending strength (Modules of Rupture)	IS 1734 (Part 11):1983
57.	Plywood for Concrete Shuttering, Marine Plywood	Wet Bending strength (Modules of Elasticity)	IS 1734 (Part 11):1983
58.	Plywood for Concrete Shuttering, General purposes, Marine Plywood	Static Bending strength (Modules of Rupture)	IS 1734 (Part 11):1983
59.	Plywood for Concrete Shuttering, General purposes, Marine Plywood	Static Bending strength (Modules of Elasticity)	IS 1734 (Part 11):1983
60.	Plywood for Concrete Shuttering, Marine Plywood	Tensile Strength	IS 1734 (Part 9):1983
61.	Marine Plywood	Defects in Veneers	IS 710: 2024
62.	Marine Plywood	Thickness of Veneers	IS 710: 2024
63.	Marine Plywood	Dimension (Length)	IS 710: 2024
64.	Marine Plywood	Dimension (width)	IS 710: 2024
65.	Marine Plywood	Dimension (Thickness)	IS 710: 2024



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
66.	Marine Plywood	Dimension (Edge Straightness)	IS 710: 2024
67.	Marine Plywood	Dimension (Squareness)	IS 710: 2024
68.	Marine Plywood	Workmanship & Finish	IS 710: 2024
69.	Marine Plywood	Resistance to Water Test	IS 710: 2024
70.	Fire Retardant Plywood	Dimension (Length)	IS 5509:2021
71.	Fire Retardant Plywood	Dimension (width)	IS 5509:2021
72.	Fire Retardant Plywood	Dimension (Thickness)	IS 5509:2021
73.	Fire Retardant Plywood	Dimension (Edge Straightness)	IS 5509:2021
74.	Fire Retardant Plywood	Dimension (Squareness)	IS 5509:2021
75.	Fire Retardant Plywood	Workmanship & Finish	IS 5509:2021
76.	Fire Retardant Plywood	Flammability	IS 1734 (Part 3):1983
77.	Fire Retardant Plywood	Flame penetration	IS 1734 (Part 3):1983
78.	Fire Retardant Plywood	Rate of burning	IS 1734 (Part 3):1983



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
79.	Plywood for General purposes	Permissible defect	IS 303:2024
80.	Plywood for General purposes	Type of surface	IS 303:2024
81.	Plywood for General purposes	Grade and class	IS 303:2024
82.	Plywood for General purposes	Thickness of veneers	IS 303:2024
83.	Plywood for General purposes	Workmanship & Finish	IS 303:2024
84.	Plywood for General purposes	Dimension (Length)	IS 303:2024
85.	Plywood for General purposes	Dimension (width)	IS 303:2024
86.	Plywood for General purposes	Dimension (Thickness)	IS 303:2024
87.	Plywood for General purposes	Dimension (Edge Straightness)	IS 303:2024
88.	Plywood for General purposes	Dimension (Squareness)	IS 303:2024
89.	Veneered Decorative Plywood	Surface requirement	IS 1328: 2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
90.	Veneered Decorative Plywood	Formaldehyde Class	IS 1328: 2025
91.	Veneered Decorative Plywood	Grade and Types	IS 1328: 2025
92.	Veneered Decorative Plywood	Workmanship & Finish	IS 1328: 2025
93.	Veneered Decorative Plywood	Dimension (Length)	IS 1328: 2025
94.	Veneered Decorative Plywood	Dimension (width)	IS 1328: 2025
95.	Veneered Decorative Plywood	Dimension (Thickness)	IS 1328: 2025
96.	Veneered Decorative Plywood	Dimension (Edge Straightness)	IS 1328: 2025
97.	Veneered Decorative Plywood	Dimension (Squareness)	IS 1328: 2025
98.	Veneered Decorative Plywood	Water resistance test	IS 1328: 2025
99.	Veneered Decorative Plywood	Ply adhesion	IS 1734 (Part 5): 1983



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
100.	Prelaminated Medium Density Fibre Boards of wood and other lignocellulosic Materials	Finish	IS 14587:2025
101.	Prelaminated Medium Density Fibre Boards of wood and other lignocellulosic Materials	Classification	IS 14587:2025
102.	Prelaminated Medium Density Fibre Boards of wood and other lignocellulosic Materials	Formaldehyde Class	IS 14587:2025
103.	Prelaminated Medium Density Fibre Boards of wood and other lignocellulosic Materials, Medium Density Fibre Boards of wood and other Lignocellulosic Materials for General Purpose, Prelaminated Medium Density Particle Boards from	Dimension (Length)	IS 2380 P-2:1977

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
	wood and other lignocellulosic Materials, Medium Density particle Boards of wood and other Lignocellulosic Materials for General Purpose		
104.	Prelaminated Medium Density Fibre Boards of wood and other lignocellulosic Materials, Medium Density Fibre Boards of wood and other Lignocellulosic Materials for General Purpose, Prelaminated Medium Density Particle Boards from wood and other lignocellulosic Materials, Medium Density particle Boards of wood and other Lignocellulosic Materials for General Purpose	Dimension (width)	IS 2380 P-2:1977

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
105.	Prelaminated Medium Density Fibre Boards of wood and other lignocellulosic Materials	Dimension (Thickness)	IS 14587:2025
106.	Prelaminated Medium Density Fibre Boards of wood and other lignocellulosic Materials, Medium Density Fibre Boards of wood and other Lignocellulosic Materials for General Purpose, Prelaminated Medium Density Particle Boards from wood and other lignocellulosic Materials, Medium Density particle Boards of wood and other Lignocellulosic Materials for General Purpose	Dimension (Edge Straightness)	IS 2380 P-2:1977



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
107.	Prelaminated Medium Density Fibre Boards of wood and other lignocellulosic Materials, Medium Density Fibre Boards of wood and other Lignocellulosic Materials for General Purpose, Prelaminated Medium Density Particle Boards from wood and other lignocellulosic Materials, Medium Density particle Boards of wood and other Lignocellulosic Materials for General Purpose	Dimension (Squareness)	IS 2380 P-2:1977
108.	Prelaminated Medium Density Fibre Boards of wood and other lignocellulosic Materials, Medium Density Fibre Boards, Prelaminated	Density	IS 2380(Part 3):1977

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
	Medium Density Particle Boards, Medium Density particle Boards of wood		
109.	Prelaminated Medium Density Fibre Boards of wood and other lignocellulosic Materials, Medium Density Fibre Boards, Prelaminated Medium Density Particle Boards, Medium Density particle Boards of wood	Variation from mean density	IS 2380(Part 3):1977
110.	Prelaminated Medium Density Fibre Boards of wood and other lignocellulosic Materials, Medium Density Fibre Boards, Prelaminated Medium Density Particle Boards, Medium Density particle Boards of wood	Modulus of Rupture	IS 2380(Part 4):1977



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
111.	Prelaminated Medium Density Fibre Boards of wood and other lignocellulosic Materials, Medium Density Fibre Boards, Prelaminated Medium Density Particle Boards, Medium Density particle Boards of wood	Modulus of Elasticity	IS 2380(Part 4):1977
112.	Prelaminated Medium Density Fibre Boards of wood and other lignocellulosic Materials, Medium Density Fibre Boards, Prelaminated Medium Density Particle Boards, Medium Density particle Boards of wood	Internal bond strength	IS 2380(Part 5):1977
113.	Prelaminated Medium Density Fibre Boards of wood and other lignocellulosic Materials,	Screw withdrawal strength (Face)	IS 2380(Part 14): 1977

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
	Medium Density Fibre Boards, Prelaminated Medium Density Particle Boards, Medium Density particle Boards of wood		
114.	Prelaminated Medium Density Fibre Boards of wood and other lignocellulosic Materials, Medium Density Fibre Boards, Prelaminated Medium Density Particle Boards, Medium Density particle Boards of wood	Screw withdrawal strength (Edge)	IS 2380(Part 14): 1977
115.	Prelaminated Medium Density Fibre Boards of wood and other lignocellulosic Materials, Medium Density Fibre Boards, Prelaminated Medium Density Particle Boards, Medium Density	Thickness Swelling	IS 2380(Part 17): 1977

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
	particle Boards of wood		
116.	Prelaminated Medium Density Fibre Boards of wood and other lignocellulosic Materials, Medium Density Fibre Boards, Prelaminated Medium Density Particle Boards, Medium Density particle Boards of wood	Moisture Resistance (Cyclic test) Internal bond strength	IS 2380(Part 5):1977
117.	Prelaminated Medium Density Fibre Boards of wood and other lignocellulosic Materials, Medium Density Fibre Boards, Prelaminated Medium Density Particle Boards, Medium Density particle Boards of wood	Moisture Resistance (Boil test) Internal bond strength	IS 2380(Part 5):1977
118.	Prelaminated Medium Density Fibre Boards of wood and other	Abrasion Resistance	IS 14587:2025

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
	lignocellulosic Materials		
119.	Prelaminated Medium Density Fibre Boards of wood and other lignocellulosic Materials	Resistance to steam	IS 14587:2025
120.	Prelaminated Medium Density Fibre Boards of wood and other lignocellulosic Materials	Resistance to crack	IS 14587:2025
121.	Prelaminated Medium Density Fibre Boards of wood and other lignocellulosic Materials	Resistance to cigarette burn	IS 14587:2025
122.	Medium Density Fibre Boards of wood and other Lignocellulosic Materials for General Purpose	Finish	IS 12406:2025
123.	Medium Density Fibre Boards of wood and other Lignocellulosic Materials for General Purpose	Classification	IS 12406:2025



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
124.	Medium Density Fibre Boards of wood and other Lignocellulosic Materials for General Purpose	Formaldehyde Class	IS 12406:2025
125.	Medium Density Fibre Boards of wood and other Lignocellulosic Materials for General Purpose	Dimension (Thickness)	IS 12406:2025
126.	Prelaminated Medium Density Particle Boards from wood and other lignocellulosic Materials	Finish	IS 12823: 2025
127.	Prelaminated Medium Density Particle Boards from wood and other lignocellulosic Materials	Classification	IS 12823: 2025
128.	Prelaminated Medium Density Particle Boards from wood and other lignocellulosic Materials	Formaldehyde Class	IS 12823: 2025



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
129.	Prelaminated Medium Density Particle Boards from wood and other lignocellulosic Materials	Dimension (Thickness)	IS 12823: 2025
130.	Prelaminated Medium Density Particle Boards from wood and other lignocellulosic Materials	Abrasion Resistance	IS 12823:2025
131.	Prelaminated Medium Density Particle Boards from wood and other lignocellulosic Materials	Resistance to steam	IS 12823:2025
132.	Prelaminated Medium Density Particle Boards from wood and other lignocellulosic Materials	Resistance to crack	IS 12823:2025
133.	Prelaminated Medium Density Particle Boards from wood and other lignocellulosic Materials	Resistance to cigarette burn	IS 12823:2025



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
134.	Medium Density particle Boards of wood and other Lignocellulosic Materials for General Purpose	Finish	IS 3087:2025
135.	Medium Density particle Boards of wood and other Lignocellulosic Materials for General Purpose	Classification	IS 3087:2025
136.	Medium Density particle Boards of wood and other Lignocellulosic Materials for General Purpose	Formaldehyde Class	IS 3087:2025
137.	Medium Density particle Boards of wood and other Lignocellulosic Materials for General Purpose	Dimension (Thickness)	IS 3087:2025
138.	Synthetic Resin Adhesives for Plywood (Phenolic and Aminoplastic)	Cyclic test	IS 848 :2025



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
139.	Synthetic Resin Adhesives for Plywood (Phenolic and Aminoplastic)	Cyclic test (Knife test)	IS 1734 P-5
140.	Block Boards	Mycological Test	IS 1659: 2004
141.	Plywood for General purposes, Plywood for Concrete Shuttering, Marine Plywood	Mycological Test	IS 1734 (Part 7): 1977

* **Note:**

Scope Extension 1:

Following scope of accreditation is extended w.e.f. **07 July 2026:**

Chemical Testing-

- Plastic & Resins (S. No. 156 to 171; Page No.-12 to 14)
- Building Material (S. No. 1 to 10; Page No.-15 to 16)
- Adhesives (S. No. 1; Page No.- 17)

Mechanical Testing-

- Plastics and Plastic Products (S. No. 525 to 573; Page No.-52 to 58)
- Building, Infrastructure & Construction Materials (S. No. 1 to 141; Page No.- 59 to 80)

