

TECHNICAL SPECIFICATION OF AUSTIN CLUB IS 10701:2012

SI No	Tests	Requirement as per IS 10701 : 2012	Test Results
1	Dimension and Tolerance a) Length, mm b) Width, mm c) Thickness,% i) Less than 6 mm ii) 6 mm and above d) Squareness, % e) Edge Straightness, %	+6mm, -0mm +3mm, -0mm ±10% ±5% Max 0.2% Max 0.2%	+2mm, -0mm +1mm, -0 mm +2.5% +1.75% 0.09 0.08
2	Workmanship & Finish	Satisfactory	Satisfactory
3	Moisture Content, %	5-15%	8-10%
4	Glue Shear Strength in dry state, Glue shear strength, N	Min. 1350	1650
5	Resistance to water (After 72 hrs boiling). Glue shear strength, N	Min.1000	1290
6	Resistance to micro-organism, Glue shear strength, N	Min. 1000	1250
7	Tensile strength, N/mm ² i) Along the grain ii) Across the grain	Min. 55 Min. 35	75 44
8	Compressive strength, N/mm ² i) Along the grain ii) Across the grain	Min. 35 Min. 30	45.7 39.5
9	Panel shear strength, N/mm ²	Min. 12.5	14.25
10	Modulus of Rigidity, N/mm ²	Min. 588	605
11	Rolling shear strength, N/mm ²	Min. 3	3.65
12	Static Bending Strength Modulus of Elasticity, N/mm ² i)Parallel to face grain a) Average b) Minimum individual iii) Perpendicular to face grain a)Average b) Minimum individual	7500 6700 4000 3600	9350 8120 6230 5590
13	Static Bending Strength Modulus of Rupture, N/mm ² i)Parallel to face grain a) Average b) Minimum individual	50 45	69.0 61.5



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	i) Perpendicular to face grain a) Average b) Minimum individual	30 27	55.6 52.0
14	Wet Bending Strength Modulus of Elasticity, N/mm ² i) Parallel to face grain a) Average b) Minimum individual i) Perpendicular to face grain a) Average b) Minimum individual	3750 3400 2000 1800	5430 4950 4430 3950
15	Wet Bending Strength Modulus of Rupture, N/mm ² i) Parallel to face grain a) Average b) Minimum individual i) Perpendicular to face grain a) Average b) Minimum individual	25 22 15 13	39.2 33.0 45.5 39.6
16	Preservative Treatment Test Preservative Chemicals, in Kg/m ³ a) Copper b) Chromium c) Retention of total preservative	-- -- Min 12.0 Kg/m ³	9.1 6.5 15.6



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