

TECHNICAL SPECIFICATION OF AUSTIN FLUSH DOOR SHUTTER IS 2202 (Part-1) : 1999

SI No	Tests	Requirement as per IS 2202 (Pt-1) : 1999	Test Results
1	Dimension and Squareness Test a) Length, mm b) Width, mm c) Thickness, % d) Squareness, % e) Variation in thickness	±5 mm ±5 mm ±1 mm 1 mm on length of 500 mm Not more than 0.8 mm between any two points	+2mm, -0mm +2mm, -0 mm +0.5mm 0.15mm 0.25 mm
2	General Flatness Test	The twist, cupping and warping shall not exceed 6mm	1.2 mm
3	Local Planeness Test	The depth of deviation measured at any two point shall not be more than 0.5 mm	0.18 mm
4	Impact Indentation Test	a) Shall have no defects such as cracking, tearing or delamination b) The depth of indentation shall not be more than 0.2 mm	a) No cracking, tearing or delamination observed b) 0.05 mm
5	Flexure Test	a) The deflection at the maximum load shall not be more than one thirtieth of the length and one fifteenth of the width whichever is less. b) The residual deflection shall not be more than one tenth of the maximum deflection.	a) 1/45 th of length b) One twentieth of the maximum deflection
6	Edge loading Test	a) The deflection of the edge at the maximum load shall not be more than 5 mm. b) The residual deflection shall not be more than 0.5 mm. c) Lateral buckling shall not be more than 2 mm d) No residual buckling after removal of load.	a) 2.15 mm b) 0.19 mm c) 0.35 mm d) No residual buckling after removal of load



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