



Chipboards Technical Specifications



Chipboards

Mechanical Properties	Test Method	Unit	Range of thickness (mm)			
			≥ 8 - 9	≥ 9 - 12	≥ 15 - 18	≥ 25-36

Standard P2 Grade Chipboard

Tolerance of Dimension	Thickness	IS 2380 (Part II): 1977	mm	± 0.3			
	Length & Width	IS 2380 (Part II): 1977	mm	+ 2mm (W) / + 5mm (L)			
Squareness		IS 2380 (Part II): 1977	mm/m	< 2.0			
Squareness (diagonal)		IS 2380 (Part II): 1977	mm	< 5			
Average density		IS 2380 (Part III): 1977	kg/m ³	500-900	500-900	500-900	500-900
Board Moisture		IS 2380 (Part III): 1977	%	5 to 8			
Modulus of Rupture		IS 2380 (Part IV): 1977	N/mm ² (Avg)	11	11	11	11
Modulus of elasticity in bending		IS 2380 (Part IV): 1977	N/mm ² (Avg)	2000	2000	2000	2000
Internal bond (dry)		IS 2380 (Part V): 1977	N/mm ² (Avg)	0.3	0.3	0.3	0.3
Screw Retaining Force	Face	IS 2380 (Part XIV): 1977	N (min)	NA	1250	1250	1250
	Edge	IS 2380 (Part XIV): 1977		NA	NA	750	750
Thickness Swelling (2 hour)		IS 2380 (Part XVII): 1977	% (max)	12	12	12	12
Formaldehyde Emission (E2)	Perforator	BS EN 120	mg/100g	≤ 20			
Formaldehyde Emission (E1)	Perforator	BS EN 120	mg/100g	≤ 8			

Carb TSCA Title VI Grade / E0 Grade- Chipboard

Formaldehyde Emission (E2)	Perforator	JIS A 1460	mg/L	> 0.604			
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