

Physical and mechanical parameters of sanded board MDF



Nominal thickness of plates, mm	3-4	4-6	6-9	9-12	12-19	19-30	30-40
Thickness swelling during 24 h,% (EN 317)	35	30	17	15	12	10	8
Durability in stretching across the plates, MPa, (EN 319)	0,65	0,65	0,65	0,6	0,55	0,55	0,5
Flexural strength, MPa (EN 310)	23	23	23	22	20	18	17
Elastic modulus in flexure, MPa (EN 310)	-	2700	2700	2500	2200	2100	1900
Separation of surface, min H/mm2 (EN311)	1						
Resistivity of pulling screws out from the plate, min, H (EN320)	For the thickness > 15 mm				100		
Resistivity of pulling screws out from the edge, min, H (EN320)	For the thickness > 15 mm				800	800	750
Mineral content, max, %(ISO 3340)	0,45						
Formaldehyde content mg/100g(EN 320)	≤8 class of emission E1						
Humidity, % (EN 322)	4-9						
The limit deviations in thickness, mm	±0.3						
The limit deviations in width and length, mm	±5						
Deviation from the right angle, mm/m	≤2.0						
Deviation from the straightness of edge, mm/m	≤1.0						

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