



Moncure Particleboard Division Product Specifications

Moncure Particleboard is a three layer panel formed from wood, cured under heat a pressure with a urea formaldehyde binder. This product meets ANSI Standard A208.1-1999, Grade M2 for Particleboard and is certified for formaldehyde emissions by the Composite Panel Association. *Effective June 1, 2005*

Property	Imperial Units		Metric Units	
Density	44.5	pounds per cubic foot	713	kilograms per cubic meter
Internal Bond	80	pounds per square inch	0.55	newtons per square millimeter
Modulus of Rupture	2,103	pounds per square inch	14.5	newtons per square millimeter
Modulus of Elasticity	326,300	pounds per square inch	2250	newtons per square millimeter
Face Screw-holding	225	pounds	1000	newtons
Edge Screw-holding	202	pounds	900	newtons
Linear Expansion	0.35	percent	0.35	percent
Other Data				
Thickness range	½ - 1 1/8	inches	12.7 – 28.6	millimeters
Mat size	9 x 24	feet	2743 – 7315	millimeters
Thickness tolerance	+/- .004	inches, avg. thick. from target	+/- 0.1	millimeters
Length/Width	+/- 1/16	inches	+/- 1.6	millimeters
Squareness tolerance	+/- 1/32	inches, per foot of panel width	+/- 0.8	millimeters

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