



MDF Panels

Versatile and machinable industrial MDF

INDICATIVE DATA — please contact us directly for the manufacturer's spec sheet for your specific order: 718-386-6119 · inquiry@dmlumber.com

Grades

Select and Premium: smooth and consistent for machining and finishing; designed for the requirements of applications such as RTF cabinet doors and high-volume productivity.

Lite: outstanding machinability and finishing characteristics as well as reduced product weight.

NAF (no added formaldehyde): premium performance properties and added environmental responsibility, made with no-added-urea-formaldehyde resins.

MR and MR + NAF (moisture-resistant): engineered to resist moisture and humidity while providing the workability and physical characteristics of the premium board, plus a no-added-urea-formaldehyde resin option.

Dimensions

Grade	Thickness	Widths / lengths
Select	3/8" - 3/4"	To 5' / to 16'
Premium	1/4" - 1 5/16"	To 5' / to 16'
Lite	3/8" - 3/4"	To 5' / to 16'
NAF	1/4" - 1 5/16"	To 5' / to 16'
MR, MR + NAF	1/4" - 1 5/16"	To 5' / to 16'

Applications

Moulding and millwork · cabinets and fixtures · home and office furniture · laminate flooring · architectural wall panels

Physical properties: Select and Premium

Min panel averages ¹	Select			Premium		
	3/8" to <1/2"	1/2" to 3/4"	<3/8" ³	3/8" to <1/2"	1/2" to 3/4"	>3/4"
MOR - modulus of rupture (psi)	4500 ³	4050	4050	3130	3130	3130
MOE - modulus of elasticity (kpsi)	450 ³	405	405	313	313	313
IB - internal bond ² (psi)	120	120	110	100	90	85
Face screw holding (lbs)	270	270	235	235	235	235
Edge screw holding ⁴ (lbs)	NA	250	NA	NA	215	205
Formaldehyde emissions, CARB II compliant	✓	✓	✓	✓	✓	✓

1. One-panel minimum average per ANSI 208.2 2. Minimum individual value per ANSI 208.1 3. ASTM D1037-06 Part B for <9.5 mm (0.375") 4. Edge screw pull for less than 5/8" not applicable



Physical properties: Lite and NAF

Min panel averages ¹	Lite			NAF ⁴		
	3/8" to <1/2"	1/2" to 3/4"	<3/8" ³	3/8" to <1/2"	1/2" to 3/4"	>3/4"
MOR - modulus of rupture (psi)	2800	2800	4050	3130	3130	3130
MOE - modulus of elasticity (kpsi)	280	280	405	313	313	313
IB - internal bond ² (psi)	100	90	110	100	90	85
Face screw holding (lbs)	222	222	235	235	235	235
Edge screw holding ² (lbs)	NA	215	NA	NA	215	205
Formaldehyde emissions, CARB II compliant	✓	✓	✓	✓	✓	✓

1. One-panel minimum average per ANSI 208.2 2. Not applicable for thinner than 5/8" 3. ASTM D1037-06 Part B for <9.5 mm (0.375") 4. NAF indicates product made with no added formaldehyde

Physical properties: MR and MR + NAF

Averages ²	MR			MR + NAF ⁴		
	1/4" to <1/2"	1/2" to 3/4"	>3/4"	1/4" to <1/2" ³	1/2" to 3/4"	>3/4"
MOR - modulus of rupture (psi)	4050	4050	4050	4050	4050	4050
MOE - modulus of elasticity (kpsi)	405	405	405	405	405	405
IB - internal bond (psi)	120	110	90	120	110	90
Face screw holding (lbs)	250	270	270	250	270	270
Edge screw holding ² (lbs)	NA	250	250	NA	250	250
Formaldehyde emissions, CARB II compliant	✓	✓	✓	✓	✓	✓
24-hour thickness swell	10%	7%	4%	10%	7%	4%

1. One-panel minimum average per ANSI 208.2 2. Not applicable for thinner than 5/8" 3. ASTM D1037-06 Part B for <9.5 mm (0.375") 4. NAF indicates product made with no added formaldehyde

Tolerances

Length & width	± 1/16" per panel
Squareness	± 1/64" per ft. of length
Straightness	± 1/64" per ft. of length
Thickness (within panel)	≤ 0.005"
Thickness (panel to panel)	≤ 0.005"

Certifications

FSC®: MDF certified to conform to the requirements of Forest Stewardship Council® standards for FSC Mix chain of custody and controlled wood manufacturing is available by special order.

ECC: Composite Panel Association (CPA) Eco-Certified Composite grademark.

Formaldehyde emissions: these products comply with the California Air Resources Board (CARB) Phase 2 formaldehyde emission standards. NAF products are no-added-formaldehyde products and are exempt from third-party certification under CARB Phase 2.