

MAPLEX MD

Maplex MD is a 100% bio-based pressboard manufactured from non-bleached softwood cellulose and water. This strong, medium-density pressboard is a new category of zero VOC materials which is created with the circular economy in mind. Maplex MD is perfect substrate for your application and it can be reused, re-purposed, up-cycled and recycled. If you think “circular” please consider Maplex in your next project.

KEY PROPERTIES

- High quality fibers deliver combination of mechanical strength and flexibility
- Superior mechanical properties and dimensional stability
- Biodegradable and recyclable

KEY FEATURES & BENEFITS

- Zero VOC pressboard
- Produced with unbleached softwood cellulose and water
- Can be coated, laminated and veneered

APPLICATIONS

- Interior decorative paneling
- Furniture
- Honeycomb structures
- Backing/reinforcement board

SHEET SIZES

METRIC (MM)			IMPERIAL (INCHES)		
THICKNESS	TOLERANCES (%)	WIDTH X LENGTH	THICKNESS	TOLERANCES (%)	WIDTH X LENGTH
1	± 6 - 8	3200 x 6300 1065 x 2100 1600 x 4200 2100 x 3200	0.039	± 6 - 8	126 x 248 42 x 83 63 x 165 83 x 126
1.5			0.059		
2			0.079		
2.5			0.098		
3			0.118		



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Master sheet size is able to accommodate variety of custom sizes so please contact us if your projects requires customized sheet sizes.

TECHNICAL DATA

GRADE			MAPLEX MD
PROPERTIES	STANDARD	UOM	TYPICAL VALUES
THICKNESS RANGE		mm	> 1.0 – 3.0
APPARENT DENSITY	ISO 534	g/cm ³	1
MOISTURE	ISO 287	%	≤6
TENSILE STRENGTH MD	ISO 1924-2	MPa	90
TENSILE STRENGTH CMD	ISO 1924-2	MPa	70
TENSILE ELONGATION MD	ISO 1924-2	%	3.4
TENSILE ELONGATION CMD	ISO 1924-2	%	3.8
MODULUS OF ELASTICITY IN TENSION MD	ISO 1924-2	GPa	10
MODULUS OF ELASTICITY IN TENSION CMD	ISO 1924-2	GPa	8

The technical data reported here are typical results for routine tests made in the Weidmann Laboratory. If not specified, the values are typical for 3mm material. Additional specific data is available on request. MD - Machine Direction / CMD - Cross Machine Direction. Maplex custom thicknesses can be manufactured in any dimension ranging from 1.00mm to 8.00mm. Please contact Customer Services for more information.