

MAPLEX P

PERFORMANCE

A strong, high-density, high-performance board with good dimensional stability. This product is typically used when high compressive and/or flexural strength is required. Maplex P is stiffer and less formable than Maplex C. Maplex P is made of 100 % cellulose fibers and water.

Maplex P is available in three levels of dimensional tolerances: Stock, Custom, and Precision. Stock material is cut slightly oversized, and is suitable for board that will be cut into smaller sizes. Custom tolerances are suitable for prototypes and non-critical pieces. Precision tolerances are achieved by CNC operations and provide the most accurate piece.

IMPERIAL SHEET SIZES

STOCK

Standard Thickness (in)	Thickness Tolerances (%)	Edge Condition	Standard Width x Length (in)	Width Tolerances (in)	Lenght Tolerances (in)
1/16 (0.063)					
1/8 (0.125)			126 x 248		
3/16 (0.188)	± 6 - 8	Sawed	63 x 124	± 1.5	± 5
1/4 (0.250)			42 x 83		
5/16 (0.323)					

CUSTOM

Standard Thickness (in)	Thickness Tolerances (%)	Edge Condition	Standard Width x Length (in)	Width Tolerances (in)	Lenght Tolerances (in)
1/16 (0.063)					
1/8 (0.125)					
3/16 (0.188)	± 6	Sawed	Up to 48 x 96	± 1/16	± 1/16
1/4 (0.250)					
5/16 (0.323)					

TECHNICAL DATA

Property	Test Method	Unit	Value
Thickness	ASTM D-3394	in	0.039 - 0.315
Density	ASTM D-3394	lbs/in ³	0.045
Moisture	ASTM D-3394	%	< 7.0
Tensile Strength	ASTM D-202	PSI	MD 16,000 / CMD 12,000
Tensile Elongation	ASTM D-202	%	MD 3.0 / CMD 3.5
Compressive Strength	ASTM D-695	PSI	45,000
Flexural Strength	ASTM D-790	PSI	MD 15,000 / CMD 12,000
Modulus of Elasticity	ASTM D-790	PSI	MD 1.0 x 10 ⁶ / CMD 0.5 x 10 ⁶

The Technical Data reported here are typical results for routine tests made in the Weidmann Laboratory. If not specified, the values are typical for .118 in. material. Additional specific data are available on request. MD - Machine Direction / CMD - Cross Machine Direction. Maplex P custom thicknesses can be manufactured at any dimension in the range of 1/32" to 5/16"; contact Customer Service.

Rev. 08.20

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METRIC SHEET SIZES

STOCK

Standard Thickness (mm)	Thickness Tolerances (%)	Edge Condition	Standard Width x Length (mm)	Width Tolerances (mm)	Length Tolerances (mm)
1.0					
3.0			3200 x 6300		
5.0	± 6 - 8	Sawed	1600 x 3150	± 40	± 130
6.0			1065 x 2100		
8.0					

CUSTOM

Standard Thickness (mm)	Thickness Tolerances (%)	Edge Condition	Standard Width x Length (mm)	Width Tolerances (mm)	Length Tolerances (mm)
1.0					
3.0					
5.0	± 6	Sawed	Up to 1240 x 2440	± 1	± 1
6.0					
8.0					

TECHNICAL DATA

Property	Test Method	Unit	Value
Thickness	ASTM D-3394	mm	1 - 8
Density	ASTM D-3394	g/cm ³	1.25
Moisture	ASTM D-3394	%	< 7.0
Tensile Strength	ASTM D-202	MPa	MD 110 / CMD 83
Tensile Elongation	ASTM D-202	%	MD 3.0 / CMD 3.5
Compressive Strength	ASTM D-695	MPa	310
Flexural Strength	ASTM D-790	MPa	MD 103 / CMD 83
Modulus of Elasticity	ASTM D-790	MPa	MD 6895 / CMD 3447

The Technical Data reported here are typical results for routine tests made in the Weidmann Laboratory. If not specified, the values are typical for 3 mm. material. Additional specific data are available on request. MD - Machine Direction / CMD - Cross Machine Direction. Maplex P custom thicknesses can be manufactured at any dimension in the range of 0.8 to 8.0 mm; contact Customer Service.

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