maplex

PERFORMANCE COLLECTION

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

KEY PROPERTIES

- High-quality fibers deliver combination of mechanical strength and dimensional stability
- Superior mechanical properties
- Recyclable

FEATURES AND 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

TECHNICAL DATA

				MAPLEX P
Properties		**Standard**	**UOM**	**Typical Values**
Thicknesses range		-	mm	>1.6 – 3.0
Apparent density		ISO 534	g/cm³	1.2
Moisture		ISO 287	%	≤6
Tensile strength	MD	ISO 1924-2	MPa	124
Tensile strength	CMD	ISO 1924-2	MPa	92
Tensile elongation	MD	ISO 1924-2	%	3.9
Tensile elongation	CMD	ISO 1924-2	%	4.6
Modulus of elasticity in tension	MD	ISO 1924-2	GPa	13
Modulus of elasticity in tension	CMD	ISO 1924-2	GPa	10

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.

This matrix is provided for reference purposes only to consider options for your application. While we recommend certain grades that successfully performed in specific applications, our Engineering team will be happy to work closely with you to review your application requirements and select the grade, prototype if necessary, and develop a solution that works best for you.

Some grades can be used and interchanged across multiple applications successfully, our fiber alignment, sheet forming, and fabrication techniques vary for different grades, which provides us with opportunity to find the Maplex grade most suitable for your project.

Made in Switzerland and USA