

CONTOUR COLLECTION

Maplex Form is a low-density, highly formable 100% biobased pressboard produced with a special grade of unbleached softwood cellulose and water. Maplex Form is a unique grade that combines mechanical strength and dielectric properties.

KEY PROPERTIES

- High-quality fibers deliver combination of mechanical strength and flexibility
- Highly shapeable* pressboard maintaining the integrity of the outer and inner curve
- Minimal risk of breaking, wrinkling, creping, or fiber separation
- Recyclable

FEATURES AND BENEFITS

- Zero VOC pressboard
- Low-density, highly formable 100% biobased pressboard
- Produced with unbleached softwood cellulose and water

TECHNICAL DATA



- Grade lightly expands to capture moisture in the enclosures with potential condensation to prevent excessive moisture accumulation

APPLICATIONS

- Suitable for applications that require tightly curved and/or rounded shapes
- Perfect sealing substrate for washers, gaskets, and spacers used in automotive equipment and electrical appliances

MAPLEX FORM				
Properties		Standard	UOM	Typical Values
Thicknesses range		-	mm	1 – 2.3
Apparent density		ISO 534	g/cm ³	.88
Moisture		ISO 287	%	4.9
Tensile strength	MD	ISO 1924-2	MPa	69
Tensile strength	CMD	ISO 1924-2	MPa	41
Tensile elongation	MD	ISO 1924-2	%	10
Tensile elongation	CMD	ISO 1924-2	%	13
Modulus of elasticity in tension	MD	ISO 1924-2	GPa	2.3
Modulus of elasticity in tension	CMD	ISO 1924-2	GPa	1.3

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 USA