

MAPLEX FORM

Maplex Form is a low-density highly formable 100% biobased pressboard which is produced with a special grade of unbleached softwood cellulose and water. Maplex Form is a unique grade which 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
- Biodegradable and recyclable

KEY FEATURES & BENEFITS

- Zero VOC pressboard
- Low-density, highly formable 100% biobased pressboard
- Produced with unbleached softwood cellulose and water
- Grade lightly expands to capture moisture in the enclosures with potential condensation to prevent excessive moisture accumulation.

APPLICATIONS

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



Maplex Form

SHEET SIZES

METRIC (MM)			IMPERIAL (INCHES)		
THICKNESS	TOLERANCES (%)	WIDTH X LENGTH	THICKNESS	TOLERANCES (%)	WIDTH X LENGTH
1-1.5	± 3 - 5	3810 x 6600 1245 x 1650	0.039 - 0.059	± 3 - 5	150 x 260 49 x 65
≥1.6		3810 x 6600 1220 x 1575	≥0.063		150 x 260 48 x 62

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

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TECHNICAL DATA

GRADE			MAPLEX FORM
PROPERTIES	STANDARD	UOM	TYPICAL VALUES
THICKNESS RANGE		mm	1 - 2.3
APPARENT DENSITY	ISO 534	g/cm ³	0.88
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.

**Heat and pressure application during forming process depend on the equipment settings and may vary based on the specific thickness of Maplex sheet. Our technical support team will review specific application, product requirements and work closely with your team to recommend the settings and tooling which will help you achieve the forming results you need. Our capabilities include material testing, process and product development including small scale prototyping.*

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