

## MAPLEX MDC

Maplex MDC is a medium-density highly formable 100% biobased pressboard which is produced with unbleached softwood cellulose and cotton fibers. Proprietary fiber blend, board machine settings and controlled hot press drying allow monitoring of fiber alignment during sheet formation process and result in strong yet flexible and formable material.

### KEY PROPERTIES

- 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

- Low-density, highly formable 100% biobased pressboard
- Produced with unbleached softwood cellulose and cotton fibers
- Strong yet flexible and formable material

### APPLICATIONS

- Suitable for applications which require tightly curved and/or rounded shapes
- Reinforcement liners for storage/carrying cases
- Residential/commercial containerization of dry substances
- Reinforcement substrate in shoe sole structures



Maplex MDC

### 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		

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 MDC
PROPERTIES	STANDARD	UOM	TYPICAL VALUES
THICKNESS RANGE		mm	3
APPARENT DENSITY	ISO 534	g/cm <sup>3</sup>	0.95
MOISTURE	ISO 287	%	≤6
TENSILE STRENGTH MD	ISO 1924-2	MPa	72
TENSILE STRENGTH CMD	ISO 1924-2	MPa	56
TENSILE ELONGATION MD	ISO 1924-2	%	4.2
TENSILE ELONGATION CMD	ISO 1924-2	%	4.4
MODULUS OF ELASTICITY IN TENSION MD	ISO 1924-2	GPa	7.74
MODULUS OF ELASTICITY IN TENSION CMD	ISO 1924-2	GPa	6.29

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.