

## MAPLEX PC

Maplex PC is high density 100% cellulose based grade used in productions of disposable clicker pads. This grade is the ideal cutting surface solution for clicker presses, swing arm clickers or die cutting presses because they allow die cutters to cut with confidence.

### KEY PROPERTIES

- High density, disposable and high heat resistant.
- Shore D hardness - 86.1 (according to test method ISO7619).
- 100% biobased VOC pressboard.
- Calendered densified smooth surface

### KEY FEATURES & BENEFITS

- Zero VOC pressboard
- Ideal surface for soft and semi-rigid materials and fabrics such as Gore-Tex®, leather and Microfibres®.
- Keep the cutting surface consistent, ensuring a high quality cut every time Produced with unbleached softwood cellulose and water
- Eliminates the resurfacing costs associated with nylon, polypropylene, polyurethane, wood, rubber and PVC pads
- Easily replaced, therefore preventing costly damage when the cutting surface “dishes out” and creates uneven low spots with use over time
- Can be resurfaced and re-used
- Biodegradable and recyclable

### APPLICATIONS

- Economical disposable cutting surface for swing arm clickers and die cutting presses used in a wide range of industrial die cutting applications in the apparel, automotive, gasket, shoe, novelty and other industries.

### SHEET SIZES

METRIC (MM)			IMPERIAL (INCHES)		
THICKNESS	TOLERANCES (%)	WIDTH X LENGTH	THICKNESS	TOLERANCES (%)	WIDTH X LENGTH
3.1	± 3 - 5	508 x 1016 508 x 508 1016 x 1016	0.122	± 3 - 5	20 x 40 20 x 20 40 x 40

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



Maplex PC

## TECHNICAL DATA

GRADE			MAPLEX PC
PROPERTIES	STANDARD	UOM	TYPICAL VALUES
THICKNESS RANGE		mm	3.1
APPARENT DENSITY	ISO 534	g/cm <sup>3</sup>	1.2
MOISTURE	ISO 287	%	≤6
TENSILE STRENGTH MD	ISO 1924-2	MPa	110
TENSILE STRENGTH CMD	ISO 1924-2	MPa	85
TENSILE ELONGATION MD	ISO 1924-2	%	2.5
TENSILE ELONGATION CMD	ISO 1924-2	%	3.5
MODULUS OF ELASTICITY IN TENSION MD	ISO 1924-2	GPa	13
MODULUS OF ELASTICITY IN TENSION CMD	ISO 1924-2	GPa	10
MODULUS OF ELASTICITY IN BENDING MD	ISO 1924-2	GPa	4
MODULUS OF ELASTICITY IN BENDING CMD	ISO 1924-2	GPa	3
SHORE D HARDNESS	ISO 868	-	84
NOTCHED IMPACT STRENGTH	ISO 179	kJ/m <sup>2</sup>	13

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.