



# Technical Data Sheet

## MAPLON Clear Diagonal Gloss Sheet

Product Description: MAPLON polypropylene sheet, 100% recyclable specially designed for different purposes.

Applications: Offset & Silk Screen printing as well as packaging.

Approvals: The MAPLON Clear Diagonal/Gloss sheets comply with European Directive 2011/65/EU (RoHS 2) and European Regulation 1907/2006 (REACH Review 2017) and FDA 21 CFR 177.1520.

### 1. Technical Properties

Test	Conditions	Result
<b>Tensile properties (ASTM D638)</b>		
Tensile strength at yield*	MD 23°C	32 N/mm <sup>2</sup>
	TD	36 N/mm <sup>2</sup>
Tensile strain at yield*	MD 23°C	15%
	TD	12%
Young's modulus*	MD/TD 23°C	360/400 N/mm <sup>2</sup>
<b>Thermal properties</b>		
Vicat softening point (ASTM D1525)		145°C
Specific gravity		0.91 gr/cm <sup>3</sup>
Surface Energy		Min. 42 dynes/cm

\* Tests were made on 0.4 mm thick sheets.

### 2. Production Specifications

Sheet Parameters	Value	Tolerances
Gross Thickness (groove + spike)	0.8-1 mm	+/- 0.03 mm
Base Thickness (groove)	0.72-0.92 mm	+/- 0.03 mm
Width	676 mm	0/+3 mm
Length	676 mm	0/+3 mm
Color	Clear	
Embossing	Diagonal /Gloss	
Standard Configuration	Sheets	

\* For sheet weight calculation, use base thickness parameter.

### 3. Storage

The material must be stored in a dry shaded place, at a recommended temperature of 20° C up to 25° C at least 24 hours before printing or other processing of the sheets.

The information given in this publication is true and accurate to the best of our knowledge. The numeric values presented are typical values obtained by testing laboratory samples. This publication is not intended as a legally binding assurance, since many factors may affect product properties during processing. The users should perform their own tests in order to ascertain the suitability to a specific application. Also, it is the users' responsibility to ensure that their specific use does not constitute an infringement of any patent or law.

