



# MAPAL PLASTICS

MAPAL COOPERATIVE SOCIETY LTD

MEVO HAMMA, 12934, ISRAEL

TEL: 972 4 6764555 FAX: 972 4 6764563

<http://www.mapalplastics.com> Email:mapal@mapalplastics.com



## Technical Product Information

- Product:** MAPLON Polypropylene Color Sheets
- Product Description:** Especially designed for printing.
- Code name:** OA
- Applications:** Offset and Silk Screen printing as well as packaging.
- Approvals:** The MAPLON white and natural sheets comply with European Directive 2002/95/ EC (RoHS) and European Standard EN 71-3. Food approval is available for OA MAPLON sheet.

### 1. MAPLON OA sheets technical properties.

Test	Conditions	Result
<b>Tensile properties (ASTM D638)</b>		
Tensile strength at yield*	MD 23 °C TD	29 N/mm <sup>2</sup> 27 N/mm <sup>2</sup>
Tensile strain at yield*	MD 23 °C TD	22% 18%
Young's modulus*	MD/TD 23 °C	350 N/mm <sup>2</sup>
Strength at tear	MD/TD 23 °C	120 –200 N/mm <sup>2</sup>
Izod impact (ASTM D256)**	23 °C 0 °C	80 J/m 40 J/m
Flexural Modulus**	23 °C	1270 MPa
<b>Thermal properties</b>		
Vicat softening point(ASTM D1525)		145 °C
Heat distortion Temp.(ASTM D648)		85 °C
Specific gravity		~0.91 gr/cm <sup>3</sup>
Surface Energy		min. 42 dynes/cm

\* Tests were made on 0.7 mm thick sheets. \*\* Tests were made on 3.2 mm thick sheets.

### 2. MAPLON OA sheets production specification.

Sheet Dimensions	Value	Production Tolerance
Thickness	0.8	+ 0.03 mm / -0.03 mm
Width	Max width 1500 mm	0/+ 7 mm
Length	Max length 3500	0/+7 mm
Opacity	LT=3%	1% - 5%
Angle	90°	89.9° – 90.1°
Embossing	Sand/Orange	
Color	MAPAL 444	
Standard Configuration	Sheets	

### 3. Storage:

The material must be stored in a dry shaded place, at a temp. of no more than 25°C

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.