



Technical Product Information

<u>Product:</u>	MAPLON PP Clear, White, Color Sheets
<u>Product Description:</u>	Specially designed for printing. The MAPLON PP sheet has a shelf life of one year (MAPAL GUARANTEES THE PROPER SURFACE ENERGY VALUE FOR PRINTING FOR ONE YEAR).
<u>Code name:</u>	PA
<u>Applications:</u>	Offset, UV and Silk Screen printing as well as packaging.
<u>Approvals:</u>	The MAPLON PP white and clear sheets comply with European Directive 2002/95/ EC (RoHS), Directive 2002/72/EC for food contact and Directive 1907/2006 (REACH). Compliance of color sheets must be checked individually.

1. MAPLON PA sheets technical properties.

Test	Conditions	Result
Tensile properties (ASTM D638)		
Tensile strength at yield*	MD 23 °C TD	30 N/mm ² 27 N/mm ²
Tensile strain at yield*	MD 23 °C TD	25% 20%
Young's modulus*	MD/TD 23 °C	300N/mm ²
Thermal properties		
Vicat softening point (ASTM D1525)		145 °C
Heat distortion Temp. (ASTM D648)		85 °C
Specific gravity		~0.91 gr/cm ³
Surface Energy		min. 42 dynes/cm

* Tests were made on 0.7 mm thick sheets.

2. MAPLON PA sheets production specification.

Sheet Dimensions	Value	Tolerances
Thickness	0,2 mm – 2mm	+/- 0.03 mm
Width	MAX. 1250 mm	0/+5
Length	MAX. 3500 mm	0/+8
Light Transmission	12%	10 – 14 %
Angle 90 °	90 °	89.8-90.2 °
Embossing	MAPAL Catalogue	
Color	MAPAL Catalogue	
Standard Configuration	Sheets	

3. Storage:

The material must be stored in a dry shaded place, at a recommended temp. of 20 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.