



Technical Product Information

<u>Product:</u>	POLYLINE PRO TOTAL OPAQUE
<u>Product Description:</u>	Specially designed for printing. The POLYLINE PRO TOTAL OPAQUE sheet has a shelf life of one year. (MAPAL guarantees the proper surface energy value for printing for one year from production date).
<u>Code name:</u>	HK
<u>Applications:</u>	Offset, UV and Silk Screen printing as well as packaging.
<u>Approvals:</u>	The POLY LINE PRO TOTAL OPAQUE sheets comply with European Directive 2002/95/ EC (ROHS) and 1907/2006/95/EC (REACH).

1. POLYLINE PRO TOTAL OPAQUE sheets technical properties.

Test	Conditions	Result
Tensile properties (ASTM D638)		
Tensile strength at yield*	MD 23 °C	26 N/mm ²
	TD	23 N/mm ²
Tensile strain at yield*	MD 23 °C	16%
	TD	11%
Young's modulus*	MD/TD 23 °C	350/340 N/mm ²
Thermal properties		
Vicat softening point (ASTM D1525)		145°C
Heat distortion Temp. (ASTM D648)		85 °C
Specific gravity		~1.0 gr/cm ³
Surface Energy		Min. 42 dynes/cm

* Tests were made on 0.300 mm thick sheets.

2. POLY LINE PRO TOTAL OPAQUE sheets production specification.

Sheet Dimensions	Value	Tolerances
Thickness	From 0,240 mm to 1,000 mm	+ 0.03 mm / - 0.03 mm
Width	MAX. 1400 mm (in thickness till 0,300 mm)	0/+5 mm
Width	MAX. 1600 mm (in thickness from 0,300 till 1,000 mm)	0/+5 mm
Length	MAX. 1850 mm Sheets, Max 50 m rolls	0/+8 mm sheet, 0/+5 m roll
LT	0 %	0 %
Angle 90 °	90 °	89.8-90.2 °
Embossing	Satin/Satin	
Color	MAPAL White C001	
Standard Configuration	Sheets or Rolls	

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.