



Technical Data Sheet

MPDI 1

Product Description: Clear or white one side coated polypropylene sheet specially designed for indigo printing.

MPDI 1 sheet has a shelf life of 18 months for printing and gluing purposes (MAPAL guarantees the corona treatment value –surface tension-for 18 months from production date) and is 100% recyclable.

Applications: Digital indigo printing for catalogues, brochures as well as different advertising materials.

Approvals: The MPDI 1 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
Tensile properties (ASTM D638)		
Tensile strength at yield*	MD 23°C TD	24 N/mm ² 22 N/mm ²
Tensile strain at yield*	MD 23°C TD	14% 10%
Young's modulus*	MD/TD 23°C	300/350 N/mm ²
Thermal properties		
Vicat softening point (ASTM D1525)		293°F
Heat distortion Temp. (ASTM D648)		185°F
Specific gravity		up to 1.0 gr/cm ³
Surface Energy		Min. 42 dynes/cm

* Tests were made on 0.300 mm thick sheets.

2. Production Specifications

Sheet Dimensions	Value	Tolerances
Thickness	0.009" – 0.016 "	+ 0.0011"/- 0.0011"
Width	19"	0/+ 0.03"
Length	13"	0/+ 0.03"
White LT	0 %	0 - 0.1%
Embossing	Satin/Satin	
Color	Clear, White 055	
Standard Configuration	Sheets	

3. Storage

The material must be stored in a dry shaded place, at a recommended temperature of 68° F up to 77°F 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.

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