



MAPAL PLASTIC PRODUCTS

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1. Maplon sheet "PAPER MATCH" technical specification.

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Paper match is a multi layer graphic sheet.

The core layer is a high rigidity PP. The skin layers are high field polyolefine. The surface bonds easily to inks and have some absorbing capacity.

Main advantages are:

High durability. Water and chemical resistance. High heat resistance. Unlimited flex life of integral hinge.

Easy processing with conventional paper converting equipment.

Test	Conditions	Result
Tensile properties (ASTM D638)		
Tensile strength at yield	MD 23 Deg.C° TD	28 N/mm ² 26 N/mm ²
Tensile strain at yield	MD 23 Deg.C° TD	14% 9.4%
Young's modulus	MD/TD 23 Deg.C°	800 N/mm ²
Strain at break	MD 23 Deg.C° TD	>100% >100%
Thermal properties		
Vicat softening point (ASTM D1525)		145 Deg.C°
Heat distortion Temp. (ASTM D648)		110 Deg.C°
Tear resistance	Max strength.	230 N/mm.
Mapal internal		
Specific gravity		~1.04gr/cm ³
Yield:		416gr/m ²

All Tests were made on 0.4 mm thick sheets.

2. PAPER MATCH production specification.

	Production Tolerance	Remark
Thickness.	0.4 mm	
Dimensions	+7.0 mm - 0.0 mm	Can be supplied in roll form and sheet form.
Max width	1500	
max Sheet length	2500	
Colour	white	
Surface	Matt / Matt	
Surface Tension	Minimum 48 dyn/cm	