



1. Maplon sheets type "O" technical specification.

No 520045 Rev.0 11/2005

Test	Conditions	Result
Tensile properties (ASTM D638) ¹		
Tensile strength at yield	MD 23 Deg.C° TD	26 N/mm ² 23 N/mm ²
Tensile strain at yield	MD 23 Deg.C° TD	23% 19%
Young's modulus	MD/TD 23 Deg.C°	300 N/mm ²
Strain at break	MD 23 Deg.C° TD	>650% >300%
Dart Falling Impact (ASTM D1709-85) ¹	23 Deg.C°	5.5 J
Izod impact (ASTM D256) ²	23 Deg.C° 0 Deg.C°	420 J/m 100 J/m
Thermal properties ¹		
Vicat softening point (ASTM D1525)		140 Deg.C°
Heat distortion Temp. (ASTM D648)		80 Deg.C°
Specific gravity		~0.91 gr/cm ³
Colour		Mapal Colour Catalogue No.520002
Surface Tension		Minimum 48 dyn/cm

¹ Tests were made on 1mm thick sheets.

² sample 3.2mm thick.

2. Maplon sheets production specification.

Test	Production Tolerance	Reference
Thickness	+0.02 mm -0.05 mm	
Min.	0.28 mm depends on embossing	
Max.	1.6 mm	
Dimensions	+7.0 mm - 0.0 mm	
Max width	1300 depends on thickness.	
max length	2500	
Embossing	According to order	Mapal Embossing Catalogue No.520009

Properties :

Corona treated on both sides for offset and screen printing.

Extended shelf life

Low stress whitening.

Suitable for die cutting.

Applications :

Stationery products, Offset printed items.