

Mapal Plastics Maplon PAPER MATCH Polypropylene Sheet

Category : Polymer , Film , Thermoplastic , Polypropylene (PP) , Polypropylene, Sheet/Thermoforming Grade

Material Notes:

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.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mapal-Plastics-Maplon-PAPER-MATCH-Polypropylene-Sheet.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	
Thickness	400 microns	15.7 mil	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	28.0 MPa @Temperature 23.0 Â°C	4060 psi @Temperature 73.4 Â°F	ASTM D638
Film Tensile Strength at Yield, TD	26.0 MPa @Temperature 23.0 Â°C	3770 psi @Temperature 73.4 Â°F	ASTM D638
Film Elongation at Break, MD	>= 100 % @Temperature 23.0 Â°C	>= 100 % @Temperature 73.4 Â°F	ASTM D638
Film Elongation at Break, TD	>= 100 % @Temperature 23.0 Â°C	>= 100 % @Temperature 73.4 Â°F	ASTM D638
Film Elongation at Yield, MD	14 % @Temperature 23.0 Â°C	14 % @Temperature 73.4 Â°F	ASTM D638
Film Elongation at Yield, TD	9.4 % @Temperature 23.0 Â°C	9.4 % @Temperature 73.4 Â°F	ASTM D638
Modulus of Elasticity	0.800 GPa @Temperature 23.0 Â°C	116 ksi @Temperature 73.4 Â°F	MD/TD; ASTM D638
Tear Strength	<= 230 kN/m	<= 1310 pli	Mapal internal

Thermal Properties	Metric	English	Comments
Vicat Softening Point	145 °C	293 °F	ASTM D1525
Heat Distortion Temperature	110 °C	230 °F	ASTM 648

Descriptive Properties	Value	Comments
Yield (g/m ²)	416	

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