

Mapal Plastics Maplon Type D Polypropylene Sheet

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

Material Notes:

Main advantages: High clarity and medium haze, High durability, Water and chemical resistance, High heat resistance, Unlimited flex life of integral hinge, Easy to convert
Main disadvantages: Low scratch resistance

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mapal-Plastics-Maplon-Type-D-Polypropylene-Sheet.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.910 g/cc	0.910 g/cc	
Thickness	500 microns	19.7 mil	
Surface Tension	>= 48 dynes/cm	>= 48 dynes/cm	After 2 months from production

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	30.0 MPa @Temperature 23.0 Â°C	4350 psi @Temperature 73.4 Â°F	ASTM D638
Film Tensile Strength at Yield, TD	29.0 MPa @Temperature 23.0 Â°C	4210 psi @Temperature 73.4 Â°F	ASTM D638
Film Elongation at Break, MD	>= 600 % @Temperature 23.0 Â°C	>= 600 % @Temperature 73.4 Â°F	ASTM D638
Film Elongation at Break, TD	>= 600 % @Temperature 23.0 Â°C	>= 600 % @Temperature 73.4 Â°F	ASTM D638
Film Elongation at Yield, MD	24 % @Temperature 23.0 Â°C	24 % @Temperature 73.4 Â°F	ASTM D638
Film Elongation at Yield, TD	23 % @Temperature 23.0 Â°C	23 % @Temperature 73.4 Â°F	ASTM D638
Modulus of Elasticity	0.280 GPa @Temperature 23.0 Â°C	40.6 ksi @Temperature 73.4 Â°F	MD/TD; ASTM D638
Tear Strength	<= 130 kN/m	<= 742 pli	Mapal internal method

Thermal Properties	Metric	English	Comments
Vicat Softening Point	136 Â°C	277 Â°F	ASTM D1525
Heat Distortion Temperature	79.0 Â°C	174 Â°F	ASTM D648

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