

## Mapal Plastics Maplon Type K OPAQLON C001 Polypropylene Sheet

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

### Material Notes:

Maplon Catalog No. L050-C001K0101 is an extremely opaque white sheet. Sheet surface is smoothly embossed with similar finish on both sides..Main advantages: High opacity, High rigidity high thermal and chemical resistance, Good weather resistance, No yellowing after exposure to light, Good print-ability in all printing methods: offset UV and conventional, screen UV and solvent basedMain disadvantages: Due to sheet hardness it requires high pressure in die cutting, Material is not recommended for box production

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Mapal-Plastics-Maplon-Type-K-OPAQLON-C001-Polypropylene-Sheet.php](http://www.lookpolymers.com/polymer_Mapal-Plastics-Maplon-Type-K-OPAQLON-C001-Polypropylene-Sheet.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.960 g/cc	0.960 g/cc	
Thickness	500 microns	19.7 mil	
Surface Tension	>= 48 dynes/cm	>= 48 dynes/cm	Corona treated on both sides, After 2 months from production in original packaging

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	72	72	ISO/R 868
Film Tensile Strength at Yield, MD	37.0 MPa @Temperature 23.0 Â°C	5370 psi @Temperature 73.4 Â°F	ASTM D638
Film Tensile Strength at Yield, TD	36.0 MPa @Temperature 23.0 Â°C	5220 psi @Temperature 73.4 Â°F	ASTM D638
Film Elongation at Break, MD	50 % @Temperature 23.0 Â°C	50 % @Temperature 73.4 Â°F	ASTM D638
Film Elongation at Break, TD	16 % @Temperature 23.0 Â°C	16 % @Temperature 73.4 Â°F	ASTM D638
Film Elongation at Yield, MD	15 % @Temperature 23.0 Â°C	15 % @Temperature 73.4 Â°F	ASTM D638
Film Elongation at Yield, TD	12 % @Temperature 23.0 Â°C	12 % @Temperature 73.4 Â°F	ASTM D638

Mechanical Properties	0.570 GPa	82.7 lbf/in <sup>2</sup>	Comments
Modulus of Elasticity	Metric	English	MD/TO, ASTM D638
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Tear Strength	<= 230 kN/m	<= 1310 pli	Mapal internal

Thermal Properties	Metric	English	Comments
Vicat Softening Point	155 Å°C	311 Å°F	ASTM D1525
Heat Distortion Temperature	110 Å°C	230 Å°F	ASTM 648

Optical Properties	Metric	English	Comments
Transmission, Visible	>= 99.5 %	>= 99.5 %	Measured in daylight

## Contact Songhan Plastic Technology Co.,Ltd.

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