

Material Information Sheet

Material Description: LASERmag

Specifications		Specifications
Material:	Polyethylene Terephthalate (CAS # 63407-54-5)	
Finish:	Gloss / Metallic	
Sheet Size:	12" x 24"	
Thickness: 2-Ply	.005" PET / Backed with .015" magnetic material	
Usage:	Promotional magnets repositionable nameplates magnetic sign systems Note: Does not meet definition of 'magnetic material' per IATA90.	

Physical Properties	Typical Values	ASTM Method
<u>IZOD Impact Strength</u>		
Notched at 73°F (22.78°C)	2.5 ft. lbs / in	D-256
<u>Tensile Strength</u>		
To break	5,400 psi	D-638
Elongation before break	70%	D-638
<u>Flexural Strength</u>		
Load to stretch outer surface 5%	9,200 psi	D-790
<u>Deflection Temperature</u>		
Temperature at which material deflects .010" (.254mm) at 264 psi	175°F (79.44°C)	D-648
<u>Coefficient of Thermal Expansion</u>		
Inch/inch/°F	5.0 x 10 ⁻⁵	D-696
<u>Vicat Softening Point</u>		
Temperature for needle to penetrate 1mm (90°F/hr, 2.2 lbs)	225°F (97.78°C)	D-1525
<u>Gauss Tests</u>		
	No Greater than 84", do not exceed 0.0001 gauss	Gauss
<u>Surface Durability</u>		
	12x greater than conventional micro-surfaced material	Taber Abrader CS17

LASERmag material was tested for flammability by Underwriters Laboratories. The materials are rated 94 HB on the UL 94 test. The material was judged as not contributing to the combustion of the base material.

Terms & Condition of Sale

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Note: The above information is given in good faith, but no warranty, express or implied, is given.

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