

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.

Restriction of Hazardous Substances (RoHS)/ U.L. Certification/Halogenated Materials Rowmark has investigated the Restriction of Hazardous Substances (RoHS 3) directive issued by the European Union (directive 2015/863/EU), through our on-line research. This RoHS directive prohibits the distribution of products after June 2015, which contain the following materials; lead, mercury, cadmium, hexavalent chromium, poly-brominated biphenyls and poly-brominated diphenyl ethers. The directive appears to apply to all products that operate on electrical power and contain electronic components. Rowmark complies with the use and disclosure of all halogenated materials and does not incorporate poly-brominated biphenyls or poly-brominated diphenyl ethers in any of its products. Based on our audit, Rowmark plastic sheet products are in compliance with this directive and do not contain any of the elements noted above or in the candidate list in accordance with the referenced directive. Our related MSDS documents may be found in the Rowmark website (<http://www.rowmark.com/MARK/MSDS.asp>) and can be referenced for further information.

Terms & Condition of Sale

Rowmark warranty is limited to replacement of product only, and such warranty does not extend to the costs of any repeat labor or incidental costs. *LIMITED WARRANTY, WARRANTY DISCLAIMERS AND LIMITATIONS OF REMEDIES AND LIABILITIES:* Except as set forth above, Seller makes *NO OTHER WARRANTIES* concerning the products whatsoever.

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