Material Properties

ENGRAVABLE PLASTICS

Material Name: Laserables II

Properties:	Typical Values	ASTM Method
Tensile Strength:		
To break:	5,400 psi	D-638
Elongation before break:	35%	D-638
Flexural Strength:		
Loan to stretch outer surface 5%	7,000 psi	D-790
Gravity:	1.15	D-792
Rockwell Hardness:	R99, L77	D-785
IZOD Impact Strength		
Notched at 73°F (22.777°C)	1.2 ft lbs/in	D-256
Notched at 32°F (0°C)	.7 ft lbs/in	D-256
Deflection Temperature		
Temperature at which material deflects .010" (.254mm) at 264 psi	170°F (53.926°C)	D-648
Coefficient of Thermal Expansion		
Inch/inch/°F	3.8 x 10-5	D-696

Laserables II softens at about 200°F (93.33°C) sufficiently so that it can be drilled, sawed, sheared, nailed, bonded and die-cut.

The base material was tested for flammability by the Underwriters Laboratories. The material is rated 94 HB on the UL 94 test.

INNOVATIVE PLASTICS INC.

P.O. Box 7065 | Algonquin, IL 60142
Fax: 815 477 1210 | email: IPI@mc.net
www.inoplas.com

All IPI products are available only through your Authorized IPI distributor.

Visit www.inoplas.com to locate a distributor in your area.