



POMALUX® LM

Laser Markable Rod, Sheet & Film

Made from Laser Markable Acetal Copolymer Resin

- **Precise, bright white laser markings can be produced on Pomalux LM® black rod, sheet, and film with a Nd:YAG laser**
- **Software driven... Quick, easy design changes**
- **Indelible marking with no solvents required**
- **Cost Effective... No pre- or post- treatment necessary**
- **FDA Compliant**

Stock Shapes:

Rod: (1/4" - 4") Extruded/Stress Relieved

Heavy Gauge Sheet: (1/4" - 2") Stress Relieved

Thin Gauge Sheet: (.030" - 3/16") Extruded

Film: (.008" - .029") Extruded

Color: Black

Applications:

- Photographic lenses • Safety equipment • Laboratory equipment • Bar codes
- Medical equipment • Trademarks/Serial marks •

Pomalux LM Typical Resin Properties			
Property	Test Method	Unit	Value
Specific Gravity	ISO 1183	g/cm ³	1.41
Melt Flow Rate	ISO 1133	g/10min	9.0
Melting Point	ISO 3146	°C /°F	165/329
Deflection Temperature	ISO 75-2/Af	°C /°F	105/221
Coef. Thermal Temperature	ISO 3167	in/in°F	3.3 x 10 ⁻⁵
Tensile Strength	ISO 527	psi	9,500
Flexural Modulus	ISO 178	psi	405,800
Izod Impact (notched)	ISO 180/1A	ft.lb./in	2.7