**Specifications**

**Material:** Microsurfaced Impact Acrylic

**Finish:**
- Matte non-glare
- Gloss
- Brushed Metal
- Patterned

**Sheet Size:**
- 24" x 49" (610 x 1245mm)
- **NOTE:** LM922-082 (Kona/Ash) & LM922-012(Kona/White)
- Sheet size is: 23.5" x 49" (596.9 x 1245mm)

**Thickness 1-Ply:**
- NONE

**Thickness 2-Ply:**
- 1/32" (0.8mm)
  - Use LM912 as first digits of the item code.
- 1/16" (1.6mm)
  - Use LM922 as first digits of the item code.
- 1/8" (3.2mm)
  - Use LM942 as first digits of the item code.

**Thickness 3-Ply:**
- 1/8" (3.2mm)
  - Use LM943 as first digits of the item code.

**Usage:**
- Interior signage
- Exterior signage
- Personal identification
- Trophies
- Awards and plaques

**Engraving Method:**
- Laser
- Rotating carbide

**Cutting Depth:**
- .003" (.08mm)

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**STANDARD FEATURES:**

- **ALL NAMEPLATES SUITABLE FOR OUTDOOR APPLICATIONS**
- **NAMEPLATE COLOR**
- **ENGRAVED TEXT COLOR**
- **MOUNTING PROVISIONS**
  - 3M 468MP Adhesive
  - 1/8" Mounting Holes
  - Both
  - No Mounting Provisions
  - Other

**Physical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Values</th>
<th>ASTM Method</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>IZOD Impact Strength</strong></td>
<td>1.10 ft. lbs/in</td>
<td>D-256</td>
</tr>
<tr>
<td><strong>Tensile Strength</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>To break</td>
<td>5,500 psi</td>
<td>D-638</td>
</tr>
<tr>
<td>Elongation before break</td>
<td>50%</td>
<td>D-638</td>
</tr>
<tr>
<td><strong>Flexural Strength</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Load to stretch outer surface 5%</td>
<td>10,300 psi</td>
<td>D-790</td>
</tr>
<tr>
<td><strong>Specific Gravity</strong></td>
<td>1.15</td>
<td>D-792</td>
</tr>
<tr>
<td><strong>Rockwell Hardness</strong></td>
<td>M45</td>
<td>D-785</td>
</tr>
<tr>
<td><strong>Deflection Temperature</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature at which material</td>
<td>175°F</td>
<td>D-648</td>
</tr>
<tr>
<td>deflects .010&quot; (.254mm) at 264 psi</td>
<td>(79.4°C)</td>
<td></td>
</tr>
<tr>
<td><strong>Coefficient of Thermal Expansion</strong></td>
<td>5.6 x 10^-5</td>
<td>D-696</td>
</tr>
<tr>
<td><strong>Vicat Softening Point</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature for needle to</td>
<td>208°F</td>
<td>D-1525</td>
</tr>
<tr>
<td>penetrate 1mm (90°F/hr, 2.2 lbs)</td>
<td>(97.7°C)</td>
<td></td>
</tr>
<tr>
<td>Temperature for needle to</td>
<td>187°F</td>
<td>D-1525</td>
</tr>
<tr>
<td>penetrate 1mm (90°F/hr, 11.0 lbs)</td>
<td>(86.11°C)</td>
<td></td>
</tr>
</tbody>
</table>

**LaserMax** softens at about 200°F (93.3°C) sufficiently so it can be bent as needed. It can be sawed, drilled and bonded.

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

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