

Material Information Sheet

Material Description: UltraGrave™

Specifications	
Material:	Polymer-surfaced Impact Modified Acrylic
Finish:	Matte Satin
Sheet Size:	24.125" x 49" (613 x 1219 mm)
Thickness: 2-Ply	.010" (.25 mm) .020" (0.5 mm) 1/16" (1.6 mm)
Usage:	Interior, Exterior Signage Personal Identification Awards & Recognition
Engraving Method:	Laser Rotary
Cutting Depth:	.003" (.08mm)

Physical Properties	Typical Values	ASTM Method
<u>IZOD Impact Strength</u>		
Notched at 73°F (22.78°C)	1.10ft lbs/in	D-256
<u>Tensile Strength</u>		
To break	5,500 psi	D-638
Elongation before break	50%	D-638
<u>Flexural Strength</u>		
Load to stretch outer surface 5%	10,300 psi	D-790
<u>Specific Gravity</u>	1.15	D-792
<u>Rockwell Hardness</u>	M45	D-785
<u>Deflection Temperature</u>		
Temperature at which material deflects .010" (.254mm) at 264 psi	175°F (79.44°C)	D-648
<u>Vicat Softening Point</u>		
Temperature for needle to penetrate 1mm (90°F/hr, 2.2 lbs)	208°F (97.78°C)	D-1525

UltraGrave™ material softens sufficiently at about 180°F (82.22°C), which enables bending, should that be desired. It can also be drilled, saw cut, sheared, and bonded to itself or other materials. Electrically non-conductive, Insulative, Non-flammable. Meets 10¹² Ohms/square meter or higher in electrical resistivity, RoHS compliant (halogen-free), PVC-free, Formaldehyde and Phenol free and UL 94 HB rated. Material was judged as not contributing to the combustion of the base material.

Terms & Condition of Sale

Rowmarks 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: All information is provided in good faith however no warranty, express or implied is given.

PO Box 1605
5409 Hamlet Drive
Findlay, Ohio 45839-1605
P 419.425.8974
F 419.425.0501

rowmark.com

Last Updated: April 10, 2026