

Physical Properties

Textures Physical Properties

Textures™

Physical Properties	Typical Values	ASTM Method
<u>IZOD Impact Strength</u>		
Notched at 73°F (22.78°C)	1.10 ft lbs/in	D-256
<u>Tensile Strength</u>		
To break	5,500 psi	D-638
Elongation before break	38%	D-638
<u>Flexural Strength</u>		
Load to stretch outer surface 5%	8,890 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>Coefficient of Thermal Expansion</u>		
Inch/inch/°F	5.6 x 10 ⁻⁵	D-696

TEXTURES engraving material softens at about 200oF (93.33oC) sufficiently so that it can be bent as needed. It can be sawed, drilled and bonded, but not sheared.

Under the ASTM Standard G-155, Textures material was tested with a Xenon Arc Light Apparatus under specific, reproducible conditions. Testing resulted in no noticeable change in color after 300 hours of exposure to the Xenon Arc. Exposure to the Xenon Arc for 300 hours is supposedly the equivalent of approximately 3 years of exposure in a normal, mild climate, such as the Midwestern States of the United States.



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Textures with an Acid Yellow cap shifts at a slightly higher rate than other Textures cap colors.

This is not intended as a statement of warranty, rather a statement of general comparison.

Because the top layer is .007" (0.18mm) thick, fine detail engraving can be achieved. As an exception, the top layers of Textures Acid Yellow and Pimento are 0.010" (.25mm).

In addition, the Texture finish provides a durable, scratch-resistant surface.

The base and cap material were tested for flammability by Underwriters Laboratories. They are rated as 94 HB on the UI 94 test.

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