



## Physical Properties

### The Varsity Collection Physical Properties

## THE VARSITY COLLECTION

Physical Properties	Typical Values	ASTM Method
<b><u>IZOD Impact Strength</u></b>		
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
<b><u>Tensile Strength</u></b>		
To break	5,400 psi	D-638
Elongation before break	35%	D-638
<b><u>Flexural Strength</u></b>		
Load to stretch outer surface 5%	7,000 psi	D-790
<b><u>Specific Gravity</u></b>		
	1.15	D-792
<b><u>Rockwell Hardness</u></b>		
	R99, L77	D-785
<b><u>Deflection Temperature</u></b>		
Temperature at which material deflects .010" (.254mm) at 264 psi	170°F (53.926°C)	D-648
<b><u>Coefficient of Thermal Expansion</u></b>		
Inch/inch/°F	3.8 x 10 <sup>-5</sup>	D-696

**The Varsity Collection** softens at about 200°F (93.33°C) sufficiently so that it can be bent as needed. It can be sawed, drilled and bonded, but not sheared.

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.