

Physical Properties

ColorCast Acrylic Physical Properties

ColorCast Acrylics™

Physical Properties	Typical Values	ASTM Method
<u>IZOD Impact Strength</u>		
Notched at 73°F (22.777°C)	1.10 ft lbs/in - .3	D-256
Notched at 32°F (0°C)	N/A	D-256
Notched at 0°F (<17.76>°C)	N/A	D-256
Unnotched at 73°F (22.755°C)	N/A	D-256
<u>Tensile Strength</u>		
To break	10,500 psi	D-638
Elongation before break	4.9%	D-638
<u>Flexural Strength</u>		
Load to stretch outer surface 5%	16,000 psi	D-790
<u>Specific Gravity</u>		
	1.19	D-792
<u>Rockwell Hardness</u>		
	M-100	D-785
<u>Deflection Temperature</u>		
Temperature at which material deflects .010" (.254mm) at 264 psi	205°F	D-648
<u>Coefficient of Thermal Expansion</u>		
Inch/inch/°F	3.9 in/in/60° x105	E-831

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

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