

Physical Properties

ColorHues™ Physical Properties

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Physical Properties	Typical Values
<u>Rupture by Pull</u>	
	760 kg/cm ²
<u>Flexural Strength (rupture by bend)</u>	
Load to stretch outer surface 5%	1050kg/cm ²
<u>Specific Gravity</u>	1.19-1.20
<u>Rockwell Hardness</u>	M-100
<u>Deflection/Distortion Temperature</u>	
Temperature at which material deflects .010" (.254mm) at 264 psi	100° C
<u>Coefficient of Linear Expansion</u>	
Inch/inch/°F	6x10 ⁻⁵ /cm/°C
<u>Temperature Ranges</u>	
Highest temperature of continuous operation	80° C
Temperature ranges of thermoforming	140-180° C

Note: Natural variation in color is to be expected with this product

*Cast acrylics have thickness variations that may present difficulties in applications where thickness tolerance is important (i.e. fitting into extrusions, thermoforming applications where walls must maintain uniform thickness and assembly of complex structures). Remember to check gauge when non-contact engraving takes place and to periodically re-check focal lengths when laser engraving. In some cases, thickness variations may require the operator to make multiple passes during laser engraving.

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