

TYPICAL PROPERTIES OF VICTREX 450CA30

Property	Test Method	U.S. Units	SI Units
Mechanical Properties			
Tensile Strength @ 73°F/23°C	ISO 527 -2/1B/50	31,900 psi	220 MPa
Tensile Strength @ 266°F/130°C	ISO 527 -2/1B/50	18,000 psi	124 MPa
Tensile Strength @ 482°F/250°C	ISO 527 -2/1B/50	8,700 psi	60 MPa
Tensile Modulus @ 73°F/23°C	ISO 527 -2/1B/50	3,200,000 psi	22,300 MPa
Tensile Elongation at Break	ISO 527 -2/1B/50	1.8%	1.8%
Flexural Strength @ 73°F/23°C	ISO 178	43,200 psi	298 MPa
Flexural Strength @ 250°F/120°C	ISO 178	37,700 psi	260 MPa
Flexural Strength @ 482°F/250°C	ISO 178	15,200 psi	105 MPa
Flexural Modulus @ 73°F/23°C	ISO 178	2,700,000 psi	19,000 MPa
Flexural Modulus @ 250°F/120°C	ISO 178	2,600,000 psi	18,000 MPa
Flexural Modulus @ 482°F/250°C	ISO 178	739,500 psi	5,100 MPa
Izod Impact, Notched @ 73°F/23°C	ISO 180/A	1.44 ft lb in ⁻¹	9.6 kJ m ⁻²
Izox Impact, Unnotched @ 73°F/23°C	ISO 180/U	6.9 ft lb in ⁻¹	46 kJ m ⁻²
Physical Properties			
Water Absorption 24h 23°C/73°F	ISO 62	0.06%	0.06%
Density	ISO 1183	-	1.40 g/cm ³
Thermal Properties			
CTE Below Tg	ASTM D696	0.8 x 10 ⁻⁵ °F ⁻¹	1.5 x 10 ⁻⁵ °C ⁻¹
Heat Deflection Temperature	ISO 75	599°F	315°C
Glass Transition Temperature	DSC	289°F	143°C

For inquires or additional information, please call: 1 (281) 255-6855

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