

Victrex® PEEK 380P Polyetheretherketone, Unreinforced

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK) , Polyetheretherketone, PEEK, Unreinforced

Material Notes:

Product Description: High performance thermoplastic material, unreinforced Polyetheretherketone (PEEK), semi crystalline, coarse powder for extrusion compounding, medium flow, FDA food contact compliant, colour natural. Information Provided by VICTREX®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Victrex-PEEK-380P-Polyetheretherketone-Unreinforced.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	ISO 1183
Viscosity	380000 cP	380000 cP	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	100 MPa @Temperature 23.0 °C	14500 psi @Temperature 73.4 °F	ISO 527
Elongation at Break	25 % @Temperature 23.0 °C	25 % @Temperature 73.4 °F	ISO 527
Tensile Modulus	3.70 GPa @Temperature 23.0 °C	537 ksi @Temperature 73.4 °F	ISO 527
Flexural Strength	160 MPa @Temperature 23.0 °C	23200 psi @Temperature 73.4 °F	ISO 178
Flexural Modulus	4.10 GPa @Temperature 23.0 °C	595 ksi @Temperature 73.4 °F	ISO 178
Izod Impact, Notched (ISO)	0.550 kJ/m ² @Temperature 23.0 °C	0.262 ft-lb/in ² @Temperature 73.4 °F	ISO 180/A
Izod Impact, Unnotched (ISO)	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 180/U

Thermal Properties	Metric	English	Comments
Melting Point	343 °C	649 °F	ISO 11357
Glass Transition Temp, Tg	143 °C	289 °F	Onset; ISO 11357
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	

Thermal Properties

Metric

English

Comments

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