

Victrex® PEEK 600PF Polyetheretherketone (discontinued **)

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

Material Notes:

Product Description: High performance thermoplastic material, unreinforced PolyEtherEtherKetone (PEEK), semi crystalline, fine powder for compression compounding, low flow, FDA food contact compliant Information provided by Victrex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Victrex-PEEK-600PF-Polyetheretherketone-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Bulk Density	0.250 g/cc	0.00903 lb/in ³	ISO 1183
Density	1.30 g/cc	0.0470 lb/in ³	ISO 1183
Particle Size	70 µm	70 µm	D ₅₀ ; ISO 13320-1
Viscosity	450000 cP @Temperature 400 °C	450000 cP @Temperature 752 °F	Melt; ISO 11443

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	90.0 MPa	13100 psi	Result based on similar products; ISO 527
Elongation at Break	30 %	30 %	Result based on similar products; ISO 527
Tensile Modulus	3.70 GPa	537 ksi	Result based on similar products; ISO 527
Flexural Strength	150 MPa	21800 psi	Result based on similar products; ISO 178
Flexural Modulus	4.10 GPa	595 ksi	Result based on similar products; ISO 178
Izod Impact, Notched (ISO)	7.50 kJ/m ²	3.57 ft-lb/in ²	Result based on similar products; ISO 180/A
Izod Impact, Unnotched (ISO)	NB	NB	Result based on similar products; 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

Processing Properties	Metric	English	Comments
Processing Temperature	380 - 400 °C	716 - 752 °F	

Processing Properties Dry Time	3 hour Metric	3 hour English	Comments
	@Temperature 150 °C	@Temperature 302 °F	
	5 hour	5 hour	
	@Temperature 120 °C	@Temperature 248 °F	

Descriptive Properties	Value	Comments
Color	Natural	

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