

Victrex® PEEK 150UF10 Polyetheretherketone

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 composite manufacture, easy flow, FDA food contact compliant Information provided by Victrex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Victrex-PEEK-150UF10-Polyetheretherketone.php

Physical Properties	Metric	English	Comments
Bulk Density	0.300 g/cc	0.0108 lb/in ³	ISO 1183
Density	1.30 g/cc	0.0470 lb/in ³	ISO 1183
Particle Size	10 µm	10 µm	D _{>50} ; ISO 13320-1
Viscosity	130000 cP @Temperature 400 °C	130000 cP @Temperature 752 °F	Melt; ISO 11443

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	100 MPa	14500 psi	Result based on similar products; ISO 527
Elongation at Break	15 %	15 %	Result based on similar products; ISO 527
Tensile Modulus	4.10 GPa	595 ksi	Result based on similar products; ISO 527
Flexural Strength	170 MPa	24700 psi	Result based on similar products; ISO 178
Flexural Modulus	3.90 GPa	566 ksi	Result based on similar products; ISO 178
Izod Impact, Notched (ISO)	4.50 kJ/m ²	2.14 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
	147 °C	297 °F	Midpoint; ISO 11357

Processing Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
Dry Time	3 hour	3 hour	
	@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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