

VICTREX® PEEK 150UF10

Polyetheretherketone

Victrex plc

Message:

High performance thermoplastic material, unreinforced PolyEtherEtherKetone (PEEK), semi crystalline, fine powder for composite manufacture, easy flow, FDA food contact compliant, colour natural.

General Information			
Features	Food Contact Acceptable		
	Good Flow		
	Semi Crystalline		
Agency Ratings	FDA Food Contact, Unspecified Rating		
Appearance	Natural Color		
Forms	Powder		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm ³	ISO 1183
Apparent Density	0.30	g/cm ³	ISO 1183
Average Particle Size - D50	10	µm	ISO 13320-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3700	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	100	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	15	%	ISO 527-2
Flexural Modulus (23°C)	4100	MPa	ISO 178
Flexural Stress (23°C)	170	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	4.5	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength (23°C)	No Break		ISO 180
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	143	°C	ISO 11357-2
Melting Temperature	343	°C	ISO 11357-3
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (400°C)	130	Pa · s	ISO 11443
Injection	Nominal Value	Unit	
Drying Temperature	120 to 150	°C	
Drying Time	3.0 to 5.0	hr	
Processing (Melt) Temp	380 to 400	°C	

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