

VICTREX® PEEK 650P

Polyetheretherketone

Victrex plc

Message:

High performance thermoplastic material, unreinforced PolyEtherEtherKetone (PEEK), semi crystalline, coarse powder for extrusion compounding, low flow, FDA food contact compliant, colour natural.

General Information			
UL YellowCard	E161131-101136378		
Features	Ductile		
	Food Contact Acceptable		
	Good Chemical Resistance		
	Good Sterilizability		
	High Stiffness		
	High Strength		
	Low Flow		
	Semi Crystalline		
Uses	Compounding		
Agency Ratings	FDA Food Contact, Unspecified Rating		
Appearance	Natural Color		
Forms	Powder		
Processing Method	Compounding Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3700	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	90.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	30	%	ISO 527-2
Flexural Modulus (23°C)	4100	MPa	ISO 178
Flexural Stress (23°C)	150	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	7.5	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)	500	Pa · s	ISO 11443

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Recommended distributors for this material

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