

VICTREX® PEEK 90P

Polyetheretherketone

Victrex plc

Message:

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

General Information	
UL YellowCard	E161131-552349
Features	Food Contact Acceptable
	Good 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)	100	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	5.0	%	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)	4.0	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)	90.0	Pa · s	ISO 11443

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