

VICTREX® HT™ P45PF

Polyether Ketone

Victrex plc

Message:

High performance thermoplastic material, unreinforced PolyEtherKetone (PEK), semi crystalline, fine powder for compression moulding, low flow, FDA food contact compliant, colour natural.

General Information			
Features	Food Contact Acceptable		
	Low Flow		
	Semi Crystalline		
Agency Ratings	FDA Food Contact, Unspecified Rating		
Appearance	Natural Color		
Forms	Powder		
Processing Method	Compression Molding		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.30	g/cm³	ISO 1183
Apparent Density	0.30	g/cm³	ISO 1183
Average Particle Size - D50	50	µm	ISO 13320-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3500	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)	4000	MPa	ISO 178
Flexural Stress (23°C)	180	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	6.5	kJ/m²	ISO 180/A
Unnotched Izod Impact Strength (23°C)	No Break		ISO 180
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	152	°C	ISO 11357-2
Melting Temperature	373	°C	ISO 11357-3
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (400°C)	350	Pa · s	ISO 11443
NOTE			

1. Crystalline

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