

VICTREX® ST™ P45

Polyetherketone Etherketone Ketone

Victrex plc

Message:

High performance thermoplastic material, unreinforced PolyEtherKetoneEtherKetoneKetone (PEKEKK), semi crystalline, coarse powder for extrusion compounding, low flow, colour natural.

General Information			
Features	Low Flow		
	Semi Crystalline		
Uses	Compounding		
Appearance	Natural Color		
Forms	Powder		
Processing Method	Compounding Extrusion		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.30	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	4.30	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	110	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	10	%	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)	5.0	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	163	°C	ISO 11357-2
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (420°C)	220	Pa · s	ISO 11443
Injection	Nominal Value	Unit	
Drying Temperature	150 to 180	°C	
Drying Time	3.0 to 6.0	hr	
Processing (Melt) Temp	410 to 420	°C	
NOTE			

1. Crystalline

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