

## Victrex® PEEK 90P Polyetheretherketone, Unreinforced

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK) , Polyetheretherketone, PEEK, Unreinforced

### Material Notes:

Product Description: High performance thermoplastic material, unreinforced Polyetheretherketone (PEEK), semi crystalline, coarse powder for extrusion compounding, easy flow, FDA food contact compliant, colour natural. Information Provided by VICTREX®

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Victrex-PEEK-90P-Polyetheretherketone-Unreinforced.php](http://www.lookpolymers.com/polymer_Victrex-PEEK-90P-Polyetheretherketone-Unreinforced.php)

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in <sup>3</sup>	ISO 1183
Viscosity	90000 cP	90000 cP	400°C, melt

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	100 MPa @Temperature 23.0 °C	14500 psi @Temperature 73.4 °F	ISO 527
Elongation at Break	5.0 % @Temperature 23.0 °C	5.0 % @Temperature 73.4 °F	ISO 527
Tensile Modulus	4.10 GPa @Temperature 23.0 °C	595 ksi @Temperature 73.4 °F	ISO 527
Flexural Strength	170 MPa @Temperature 23.0 °C	24700 psi @Temperature 73.4 °F	ISO 178
Flexural Modulus	3.90 GPa @Temperature 23.0 °C	566 ksi @Temperature 73.4 °F	ISO 178
Izod Impact, Notched (ISO)	4.00 kJ/m <sup>2</sup> @Temperature 23.0 °C	1.90 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 180/A
Izod Impact, Unnotched (ISO)	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 180/U

Thermal Properties	Metric	English	Comments
Melting Point	343 °C	649 °F	ISO 11357
Glass Transition Temp, Tg	143 °C	289 °F	Onset; ISO 11357

Processing Properties	Metric	English	Comments
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Processing Temperature Processing Properties	380 - 400 °C Metric	716 - 752 °F English	Comments
Dry Time	3.00 hour	3.00 hour	
	@Temperature 150 °C	@Temperature 302 °F	
	5.00 hour	5.00 hour	
	@Temperature 120 °C	@Temperature 248 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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