

## Victrex® PEEK 450PF Fine Powder Grade

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK) , Polyetheretherketone, PEEK, Glass Fiber Filled

### Material Notes:

Product Description: High performance thermoplastic material, unreinforced PolyEtherEtherKetone (PEEK), semi crystalline, fine powder for compression molding, standard flow, FDA food contact compliant, color natural. Information provided by Victrex.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Victrex-PEEK-450PF-Fine-Powder-Grade.php](http://www.lookpolymers.com/polymer_Victrex-PEEK-450PF-Fine-Powder-Grade.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.300 g/cc	0.0108 lb/in <sup>3</sup>	ISO 1183
Density	1.30 g/cc	0.0470 lb/in <sup>3</sup>	ASISO 1183
Particle Size	50 µm	50 µm	Average; ISO 13320-1
Viscosity	350000 cP @Temperature 400 °C	350000 cP @Temperature 752 °F	ISO 11443

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	98.0 MPa	14200 psi	ISO 527
Elongation at Break	30 %	30 %	ISO 527
Tensile Modulus	4.00 GPa	580 ksi	ISO 527
Flexural Strength	160 MPa	23200 psi	ISO 178
Flexural Modulus	3.80 GPa	551 ksi	ISO 527
Izod Impact, Notched (ISO)	7.00 kJ/m <sup>2</sup>	3.33 ft-lb/in <sup>2</sup>	ISO 180/A
Izod Impact, Unnotched (ISO)	NB	NB	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
	150 °C	302 °F	Midpoint; ISO 11357

Processing Properties	Metric	English	Comments
Processing Temperature	380 - 400 °C	716 - 752 °F	
Dry Time	3.00 hour	3.00 hour	

Processing Properties	@Temperature 150 °C Metric	@Temperature 302 °F English	Comments
	5.00 hour	5.00 hour	
	@Temperature 120 °C	@Temperature 248 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China