

## Victrex® HT™ P22 Polyetherketone

Category : Polymer , Thermoplastic , Polyketone

### Material Notes:

Product Description: High performance thermoplastic material, unreinforced PolyEtherKetone (PEK), semi crystalline, coarse powder for extrusion compounding, easy flow, FDA food contact compliant Information provided by Victrex

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Victrex-HT-P22-Polyetherketone.php](http://www.lookpolymers.com/polymer_Victrex-HT-P22-Polyetherketone.php)

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in <sup>3</sup>	Crystalline; ISO 1183
Viscosity	200000 cP @Temperature 400 °C	200000 cP @Temperature 752 °F	Melt; ISO 11443

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	100 MPa	14500 psi	ISO 527
Elongation at Break	10 %	10 %	ISO 527
Tensile Modulus	4.30 GPa	624 ksi	ISO 527
Flexural Strength	170 MPa	24700 psi	ISO 178
Flexural Modulus	4.00 GPa	580 ksi	ISO 178
Izod Impact, Notched (ISO)	4.50 kJ/m <sup>2</sup>	2.14 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	373 °C	703 °F	ISO 11357
Glass Transition Temp, Tg	152 °C	306 °F	Onset; ISO 11357
	160 °C	320 °F	Midpoint; ISO 11357

Processing Properties	Metric	English	Comments
Processing Temperature	400 - 420 °C	752 - 788 °F	
Drying Temperature	120 °C @Time 18000 sec	248 °F @Time 5.00 hour	
	150 °C	302 °F	

Processing Properties	@Time 10800 sec Metric	@Time 3.00 hour English	Comments
Descriptive Properties		Value	Comments
Color		Natural	

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## 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