

## Victrex® ST™ P45 PolyEtherKetoneEtherKetoneKetone (PEKEKK),

Category : Polymer , Thermoplastic , Polyketone

### Material Notes:

High performance thermoplastic material, unreinforced PolyEtherKetoneEtherKetoneKetone (PEKEKK), semi crystalline, coarse powder for extrusion compounding, low flow, color natural. Information Provided by VICTREX®

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Victrex-ST-P45-PolyEtherKetoneEtherKetoneKetone-PEKEKK.php](http://www.lookpolymers.com/polymer_Victrex-ST-P45-PolyEtherKetoneEtherKetoneKetone-PEKEKK.php)

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in <sup>3</sup>	Crystalline; ISO 1183
Viscosity	225000 cP @Temperature 420 °C	225000 cP @Temperature 788 °F	melt; ISO 11443

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	110 MPa	16000 psi	ISO 527
Elongation at Break	10 %	10 %	ISO 527
Tensile Modulus	4.20 GPa	609 ksi	ISO 527
Flexural Strength	170 MPa	24700 psi	ISO 178
Flexural Modulus	4.00 GPa	580 ksi	ISO 178
Izod Impact, Notched (ISO)	5.00 kJ/m <sup>2</sup>	2.38 ft-lb/in <sup>2</sup>	ISO 180/A
Izod Impact, Unnotched (ISO)	NB	NB	ISO 180/U

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	>= 162 °C	>= 324 °F	Onset; ISO 11357
	169 °C	336 °F	Midpoint; ISO 11357

Processing Properties	Metric	English	Comments
Processing Temperature	410 - 420 °C	770 - 788 °F	
Dry Time	3.00 hour @Temperature 180 °C	3.00 hour @Temperature 356 °F	
	6.00 hour @Temperature 150 °C	6.00 hour @Temperature 302 °F	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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