

Oxford Polymers PEEK 450-INJ-Black PEEK

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

Material Notes:

Product Description: Polyetheretherketone, general purpose injection molding grade Processing and Delivery Form: Pellets and Injection

MoldingAdditives: Carbon black Special Characteristics: Precolored blackInformation provided by Oxford Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Oxford-Polymers-PEEK-450-INJ-Black-PEEK.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	ASTM D792
Water Absorption at Saturation	0.100 %	0.100 %	ASTM D570
Linear Mold Shrinkage, Flow	0.0110 cm/cm @Thickness 3.17 mm	0.0110 in/in @Thickness 0.125 in	ASTM D955
Melt Flow	4.00 g/10 min @Load 2.16 kg, Temperature 400 °C	4.00 g/10 min @Load 4.76 lb, Temperature 752 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	96.5 MPa	14000 psi	ASTM D638
Elongation at Break	40.0 %	40.0 %	ASTM D638
Flexural Strength	150 MPa	21800 psi	ASTM D790
Flexural Modulus	3.59 GPa	520 ksi	ASTM D790
Izod Impact, Notched	0.587 J/cm @Thickness 3.17 mm	1.10 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	157 °C	315 °F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	332 - 349 °C	630 - 660 °F	
Middle Barrel Temperature	349 - 366 °C	660 - 690 °F	
Front Barrel Temperature	354 - 371 °C	670 - 700 °F	
Nozzle Temperature	360 - 371 °C	680 - 700 °F	

Processing Properties	Metric	English	Comments
Mold Temperature	149 - 177 °C	300 - 350 °F	
Drying Temperature	<= 149 °C	<= 300 °F	
Dry Time	3.00 - 5.00 hour	3.00 - 5.00 hour	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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