

Oxford Polymers PEI 1000 PEI

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

Material Notes:

Product Description: (Unreinforced), Polyetherimide injection molding grade Processing and Delivery Form: Pellets and Injection Molding

Special Characteristics: Colors Available Information provided by Oxford Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Oxford-Polymers-PEI-1000-PEI.php

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in ³	ASTM D792
Water Absorption at Saturation	0.250 %	0.250 %	ASTM D570
Linear Mold Shrinkage, Flow	0.00500 - 0.00700 cm/cm @Thickness 3.17 mm	0.00500 - 0.00700 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	103 MPa	15000 psi	ASTM D638
Elongation at Break	3.00 %	3.00 %	ASTM D638
Flexural Strength	152 MPa	22000 psi	ASTM D790
Flexural Modulus	3.45 GPa	500 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm @Thickness 3.17 mm	1.00 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	206 °C	402 °F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	349 - 371 °C	660 - 700 °F	
Middle Barrel Temperature	354 - 377 °C	670 - 710 °F	
Front Barrel Temperature	360 - 382 °C	680 - 720 °F	
Nozzle Temperature	360 - 382 °C	680 - 720 °F	
Melt Temperature	338 - 427 °C	640 - 800 °F	
Mold Temperature	65.6 - 177 °C	150 - 350 °F	

Processing Properties	Metric	English	Comments
Drying Temperature	= 135 °C	= 275 °F	
Dry Time	4.00 - 6.00 hour	4.00 - 6.00 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