

Oxford Polymers C-Acetal -30GF-Natural Acetal Copolymer, 30% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, 30% Glass Fiber Reinforced

Material Notes:

Product Description: Glass Fiber (30% Reinforced), Co-polymer Acetal, Injection Molding Grade Processing and Delivery Form: Pellets and Injection MoldingAdditives: Glass FiberSpecial Characteristics: Excellent creep resistanceInformation provided by Oxford Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Oxford-Polymers-C-Acetal-30GF-Natural-Acetal-Copolymer-30-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.58 g/cc	0.0571 lb/in ³	ASTM D792
Water Absorption at Saturation	0.450 %	0.450 %	ASTM D570
Linear Mold Shrinkage, Flow	0.00400 cm/cm @Thickness 3.17 mm	0.00400 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	125 MPa	18200 psi	ASTM D638
Elongation at Break	1.50 %	1.50 %	ASTM D638
Flexural Modulus	7.24 GPa	1050 ksi	ASTM D790
Izod Impact, Notched	0.854 J/cm @Thickness 3.17 mm	1.60 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	76.7 °C	170 °F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	177 - 199 °C	350 - 390 °F	
Middle Barrel Temperature	182 - 204 °C	360 - 400 °F	
Front Barrel Temperature	188 - 210 °C	370 - 410 °F	
Nozzle Temperature	188 - 210 °C	370 - 410 °F	
Melt Temperature	182 - 218 °C	360 - 425 °F	
Mold Temperature	79.4 - 107 °C	175 - 225 °F	

Drying Temperature Processing Properties	93.3 °C Metric	200 °F English	Comments
Dry Time	2.00 hour	2.00 hour	

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