

Oxford Polymers 802-I Polycarbonate/Polybutylene Terephthalate (PBT) Alloy

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/Polybutylene Terephthalate (PBT) Blend, Unreinforced , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

Polycarbonate/Polybutylene Terephthalate (PBT) Alloy Information provided by Oxford Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Oxford-Polymers-802-I-PolycarbonatePolybutylene-Terephthalate-PBT-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.17 g/cc	1.17 g/cc	ASTM D792
Water Absorption	0.13 %	0.13 %	ASTM D570
Linear Mold Shrinkage	0.0075 cm/cm	0.0075 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	52.4 MPa	7600 psi	ASTM D638
Elongation at Break	165 %	165 %	ASTM D638
Flexural Strength	70.3 MPa	10200 psi	ASTM D790
Flexural Modulus	1.90 GPa	275 ksi	ASTM D790
Izod Impact, Notched	3.20 J/cm	6.00 ft-lb/in	ASTM D256
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	6.41 J/cm	12.0 ft-lb/in	ASTM D256
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	96.1 °C	205 °F	ASTM D648

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