

Lucent Polymers PC/PBT-1420IM Polycarbonate+PBT, Superior Cold Temp Impact, Injection Grade

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

Material Notes:

Add "R" for Added ReleaseAdd "U" for UV StabilizerInformation provided by Lucent Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lucent-Polymers-PCPBT-1420IM-PolycarbonatePBT-Superior-Cold-Temp-Impact-Injection-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.17 g/cc	1.17 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.011 cm/cm	0.011 in/in	1/8" Section
	@Thickness 3.17 mm	@Thickness 0.125 in	
Melt Flow	20 g/10 min	20 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 260 Â°C	@Load 11.0 lb, Temperature 500 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	48.97 MPa	7103 psi	ASTM D638
Elongation at Break	>= 168 %	>= 168 %	ASTM D638
Flexural Strength	68.97 MPa	10000 psi	ASTM D790
Flexural Modulus	1.710 GPa	248.1 ksi	ASTM D790
Izod Impact, Notched	5.34 J/cm	10.0 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature -30.0 Â°C	@Thickness 0.125 in, Temperature -22.0 Â°F	
	7.48 J/cm	14.0 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature 22.8 Â°C	@Thickness 0.125 in, Temperature 73.0 Â°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	97.78 Â°C	208.0 Â°F	ASTM D648

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