

Lucent Polymers PC/PBT-1231 Polycarbonate+PBT, General Purpose, 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-1231-PolycarbonatePBT-General-Purpose-Injection-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0070 cm/cm @Thickness 3.17 mm	0.0070 in/in @Thickness 0.125 in	1/8" Section
Melt Flow	31 g/10 min @Load 5.00 kg, Temperature 260 Â°C	31 g/10 min @Load 11.0 lb, Temperature 500 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	60.69 MPa	8802 psi	ASTM D638
Elongation at Break	>= 120 %	>= 120 %	ASTM D638
Flexural Strength	89.66 MPa	13000 psi	ASTM D790
Flexural Modulus	2.331 GPa	338.1 ksi	ASTM D790
Izod Impact, Notched	1.068 J/cm @Thickness 3.17 mm, Temperature -30.0 Â°C	2.001 ft-lb/in @Thickness 0.125 in, Temperature -22.0 Â°F	ASTM D256
	6.41 J/cm @Thickness 3.17 mm, Temperature 22.8 Â°C	12.0 ft-lb/in @Thickness 0.125 in, Temperature 73.0 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	105.56 Â°C	222.01 Â°F	ASTM D648

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