

Lucent Polymers PC/PBT-1422 Polycarbonate+PBT, Improved 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-1422-PolycarbonatePBT-Improved-Cold-Temp-Impact-Injection-Grade.php

| Physical Properties | Metric | English | Comments |
|-----------------------------|---------------------------------------|---------------------------------------|--------------|
| Specific Gravity | 1.21 g/cc | 1.21 g/cc | ASTM D792 |
| Linear Mold Shrinkage, Flow | 0.0090 cm/cm | 0.0090 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 | 53.1 MPa | 7700 psi | ASTM D638 |
| Elongation at Break | >= 118 % | >= 118 % | ASTM D638 |
| Flexural Strength | 84.83 MPa | 12300 psi | ASTM D790 |
| Flexural Modulus | 2.034 GPa | 295.1 ksi | ASTM D790 |
| Izod Impact, Notched | 1.602 J/cm | 3.001 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) | 98.89 Â°C | 210.0 Â°F | ASTM D648 |

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