

## Lucent Polymers PC/PBT-1830 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-1830-PolycarbonatePBT-Superior-Cold-Temp-Impact-Injection-Grade.php](http://www.lookpolymers.com/polymer_Lucent-Polymers-PCPBT-1830-PolycarbonatePBT-Superior-Cold-Temp-Impact-Injection-Grade.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.018 cm/cm @Thickness 3.17 mm	0.018 in/in @Thickness 0.125 in	1/8" Section
Melt Flow	30 g/10 min @Load 5.00 kg, Temperature 260 Å°C	30 g/10 min @Load 11.0 lb, Temperature 500 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	52.41 MPa	7601 psi	ASTM D638
Elongation at Break	>= 118 %	>= 118 %	ASTM D638
Flexural Strength	68.97 MPa	10000 psi	ASTM D790
Flexural Modulus	1.876 GPa	272.1 ksi	ASTM D790
Izod Impact, Notched	5.34 J/cm @Thickness 3.17 mm, Temperature -30.0 Å°C	10.0 ft-lb/in @Thickness 0.125 in, Temperature -22.0 Å°F	ASTM D256
	8.54 J/cm @Thickness 3.17 mm, Temperature 22.8 Å°C	16.0 ft-lb/in @Thickness 0.125 in, Temperature 73.0 Å°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	61.11 Å°C	142.0 Å°F	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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