

Lucent Polymers PBT-310 Polybutylene Terephthalate, 30% Glass Fiber/Mineral Reinforced, Low Warp

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Glass + Mineral Filled

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-PBT-310-Polybutylene-Terephthalate-30-Glass-FiberMineral-Reinforced-Low-Warp.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.31 g/cc	1.31 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.016 cm/cm @Thickness 3.17 mm	0.016 in/in @Thickness 0.125 in	1/8" Section

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	58.62 MPa	8502 psi	ASTM D638
Elongation at Break	>= 10 %	>= 10 %	ASTM D638
Flexural Strength	82.76 MPa	12000 psi	ASTM D790
Flexural Modulus	2.759 GPa	400.1 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm @Thickness 3.17 mm, Temperature 22.8 Å°C	1.00 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)	65.56 Å°C	150.0 Å°F	ASTM D648

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