

Lucent Polymers GPB-FR515 Polybutylene Terephthalate, 15% Glass Fiber Reinforced, Flame Resistant

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 20% Glass Fiber Filled , Polybutylene Terephthalate (PBT), Flame Retardant

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-GPB-FR515-Polybutylene-Terephthalate-15-Glass-Fiber-Reinforced-Flame-Resistant.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.52 g/cc	1.52 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0050 cm/cm @Thickness 3.17 mm	0.0050 in/in @Thickness 0.125 in	1/8" Section

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	89.66 MPa	13000 psi	ASTM D638
Elongation at Break	>= 3.0 %	>= 3.0 %	ASTM D638
Flexural Strength	124.14 MPa	18005 psi	ASTM D790
Flexural Modulus	4.828 GPa	700.2 ksi	ASTM D790
Izod Impact, Notched	0.641 J/cm @Thickness 3.17 mm, Temperature 22.8 Â°C	1.20 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)	157.22 Â°C	315.00 Â°F	ASTM D648
Flammability, UL94	V-0 @Thickness 3.17 mm	V-0 @Thickness 0.125 in	

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