

Polyram Polytron P20B03 Polypropylene, 20% Long Glass Fiber

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Glass Fiber Filler

Material Notes:

A chemically coupled 20% long glass fibers reinforced black polypropylene, heat stabilized for injection molding applications. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-Polytron-P20B03-Polypropylene-20-Long-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0010 - 0.0020 cm/cm	0.0010 - 0.0020 in/in	ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	80.0 MPa	11600 psi	ISO 527
Elongation at Break	2.0 %	2.0 %	ISO 527
Tensile Modulus	5.00 GPa	725 ksi	ISO 527
Flexural Strength	130 MPa	18900 psi	ISO 178
Flexural Modulus	4.10 GPa	595 ksi	ISO 178
Izod Impact, Notched (ISO)	12.0 kJ/m ²	5.71 ft-lb/in ²	ISO 180
Izod Impact, Unnotched (ISO)	45.0 kJ/m ²	21.4 ft-lb/in ²	ISO 180
Charpy Impact, Notched	1.20 J/cm ²	5.71 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	149 °C	300 °F	ISO 75
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	
Flame Spread	10 mm/min	0.39 in/min	FMVSS302

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