

Polyram Polytron P40B07 Polypropylene, 40% Long Glass Fiber, UV Stabilized

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Glass Fiber Filler

Material Notes:

A chemically coupled 40% long glass fiber reinforced black polypropylene, heat stabilized, UV stabilized for injection molding applications. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-Polytron-P40B07-Polypropylene-40-Long-Glass-Fiber-UV-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0012 cm/cm	0.0012 in/in	ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	120 MPa	17400 psi	ISO 527
Elongation at Break	2.0 %	2.0 %	ISO 527
Tensile Modulus	10.0 GPa	1450 ksi	ISO 527
Flexural Strength	190 MPa	27600 psi	ISO 178
Flexural Modulus	8.20 GPa	1190 ksi	ISO 178
Izod Impact, Notched (ISO)	18.0 kJ/m ² @Temperature 23.0 °C	8.57 ft-lb/in ² @Temperature 73.4 °F	ISO 180
Charpy Impact Unnotched	6.00 J/cm ² @Temperature 23.0 °C	28.6 ft-lb/in ² @Temperature 73.4 °F	ISO 179
Charpy Impact, Notched	1.90 J/cm ² @Temperature 23.0 °C	9.04 ft-lb/in ² @Temperature 73.4 °F	ISO 179
	2.18 J/cm ² @Temperature -30.0 °C	10.4 ft-lb/in ² @Temperature -22.0 °F	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	168 °C	334 °F	
Deflection Temperature at 1.8 MPa (264 psi)	156 °C	313 °F	ISO 75
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

Thermal Properties

Metric ^{min}

English ^{min}

Comments

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