

Polyram Polytron P50N07 Polypropylene, 50% Long Glass Fiber, UV Stabilized

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 50% Glass Fiber Filler

Material Notes:

A chemically coupled 50% long glass fiber reinforced natural 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-P50N07-Polypropylene-50-Long-Glass-Fiber-UV-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	135 MPa	19600 psi	ISO 527
Elongation at Break	1.7 %	1.7 %	ISO 527
Tensile Modulus	12.9 GPa	1870 ksi	ISO 527
Flexural Strength	210 MPa	30500 psi	ISO 178
Flexural Modulus	11.0 GPa	1600 ksi	ISO 178
Izod Impact, Notched (ISO)	25.0 kJ/m ²	11.9 ft-lb/in ²	ISO 180
Charpy Impact Unnotched	7.50 J/cm ²	35.7 ft-lb/in ²	ISO 179
Charpy Impact, Notched	2.50 J/cm ²	11.9 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	159 °C	318 °F	ISO 75
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

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