

Polyram Polytron P40N01 Homopolymer Polypropylene, Chemically Coupled 40% Long Glass Fiber

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

Material Notes:

A CHEMICALLY COUPLED 40% LONG GLASS FIBER REINFORCED NATURAL POLYPROPYLENE HEAT STABILIZED FOR INJECTION MOLDING APPLICATION. Information provided by Polyram Ram On Ind.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-Polytron-P40N01-Homopolymer-Polypropylene-Chemically-Coupled-40-Long-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	ASTM-D792
Linear Mold Shrinkage	0.0012 cm/cm	0.0012 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	125 MPa	18100 psi	ASTM-D638
Elongation at Break	2.65 %	2.65 %	ASTM-D638
Tensile Modulus	9.50 GPa	1380 ksi	ASTM-D790
Flexural Strength	175 MPa	25400 psi	ASTM-D790
Flexural Modulus	6.70 GPa	972 ksi	ASTM-D790
Izod Impact, Notched	2.00 J/cm @Temperature 23.0 °C	3.75 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	152 °C	306 °F	ASTM-D648

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