

Polyram Polytron P40B03 Copolymer 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 FIBERS REINFORCED BLACK POLYPROPYLENE, HEAT STABILIZED FOR INJECTION MOLDING APPLICATION. These products have significantly improved impact performance characteristics compared to other grades of Polypropylene long fiber thermoplastics. The room temperature Charpy impact properties are 25 to 30% higher at room temperature and at low temperature (-40 C). Information provided by Polyram Ram On Ind.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-Polytron-P40B03-Copolymer-Polypropylene-Chemically-Coupled-40-Long-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	ASTM-D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	100 MPa	14500 psi	ASTM-D638
Elongation at Break	2.45 %	2.45 %	ASTM-D638
Tensile Modulus	7.30 GPa	1060 ksi	ASTM-D790
Flexural Strength	155 MPa	22500 psi	ASTM-D790
Flexural Modulus	7.00 GPa	1020 ksi	ASTM-D790
Izod Impact, Notched	1.80 J/cm @Temperature 23.0 °C	3.37 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	151 °C	304 °F	ASTM-D648

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