

Polyram Polytron P40N03 Polypropylene, 40% Long Glass Fibers

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

Material Notes:

Is a chemically coupled 40% long glass fibers reinforced natural polypropylene, heat stabilized, for injection molding applications. 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.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-Polytron-P40N03-Polypropylene-40-Long-Glass-Fibers.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 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	115 MPa	16700 psi	ISO 527
Elongation at Break	2.8 %	2.8 %	ISO 527
Tensile Modulus	7.80 GPa	1130 ksi	ISO 527
Flexural Strength	180 MPa	26100 psi	ISO 178
Flexural Modulus	8.00 GPa	1160 ksi	ISO 178
Izod Impact, Notched (ISO)	21.0 kJ/m ²	9.99 ft-lb/in ²	ISO 180
	@Temperature 22.0 °C	@Temperature 71.6 °F	
	23.0 kJ/m ²	10.9 ft-lb/in ²	ISO 180
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact Unnotched	7.50 J/cm ²	35.7 ft-lb/in ²	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	8.00 J/cm ²	38.1 ft-lb/in ²	ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	2.30 J/cm ²	10.9 ft-lb/in ²	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	2.40 J/cm ²	11.4 ft-lb/in ²	ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	151 °C	304 °F	ISO 75

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China