

## Polyram Polytron P30N11 Polypropylene, 30% Long Fiber Glass

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 30% Glass Fiber Filler

### Material Notes:

A chemically coupled 30% long fiber glass reinforced natural polypropylene, heat stabilized, for injection molding applications. Information provided by Polyram.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polyram-Polytron-P30N11-Polypropylene-30-Long-Fiber-Glass.php](http://www.lookpolymers.com/polymer_Polyram-Polytron-P30N11-Polypropylene-30-Long-Fiber-Glass.php)

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage	0.0017 cm/cm	0.0017 in/in	ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	110 MPa	16000 psi	ISO 527
Elongation at Break	2.6 %	2.6 %	ISO 527
Tensile Modulus	7.75 GPa	1120 ksi	ISO 527
Flexural Strength	160 MPa	23200 psi	ISO 178
Flexural Modulus	6.45 GPa	935 ksi	ISO 178
Izod Impact, Notched (ISO)	18.0 kJ/m <sup>2</sup>	8.57 ft-lb/in <sup>2</sup>	ISO 180
Charpy Impact Unnotched	6.00 J/cm <sup>2</sup>	28.6 ft-lb/in <sup>2</sup>	ISO 179
Charpy Impact, Notched	1.80 J/cm <sup>2</sup>	8.57 ft-lb/in <sup>2</sup>	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	167 °C	333 °F	ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	149 °C	300 °F	ISO 75
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	
Flame Spread	30 mm/min	1.2 in/min	FMVSS302
Glow Wire Test	750 °C	1380 °F	G.W.I.T.; IEC 60695

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