

## Polyram PlusTek PD305G6 Nylon 12 for Injection Molding, 30% Glass-fiber Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 12 , Nylon 12, 30% Glass Fiber Filled

### Material Notes:

30% Glass-fiber reinforced Nylon 12 for injection molding applications. Information provided by Polyram.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polyram-PlusTek-PD305G6-Nylon-12-for-Injection-Molding-30-Glass-fiber-Reinforced.php](http://www.lookpolymers.com/polymer_Polyram-PlusTek-PD305G6-Nylon-12-for-Injection-Molding-30-Glass-fiber-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in <sup>3</sup>	ISO 1183
Water Absorption at Saturation	1.2 %	1.2 %	ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	130 MPa	18900 psi	ISO 527
Elongation at Break	5.0 %	5.0 %	ISO 527
Tensile Modulus	7.00 GPa	1020 ksi	ISO 527
Flexural Strength	180 MPa	26100 psi	ISO 178
Flexural Modulus	6.00 GPa	870 ksi	ISO 178
Izod Impact, Notched (ISO)	16.0 kJ/m <sup>2</sup>	7.61 ft-lb/in <sup>2</sup>	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	165 - 175 °C	329 - 347 °F	ISO 11357
Maximum Service Temperature, Air	100 °C	212 °F	Continuous use
	145 °C	293 °F	Short peaks operation
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

## Contact Songhan Plastic Technology Co.,Ltd.

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