

## Polyram PlusTek PB321I6 Nylon 6, 30% Glass Fiber and Mineral

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Glass/Mineral Reinforced

### Material Notes:

30% glass fiber and mineral reinforced polyamide 6 for injection molding applications Information provided by Polyram Ram On Ind.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polyram-PlusTek-PB321I6-Nylon-6-30-Glass-Fiber-and-Mineral.php](http://www.lookpolymers.com/polymer_Polyram-PlusTek-PB321I6-Nylon-6-30-Glass-Fiber-and-Mineral.php)

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in <sup>3</sup>	DIN 53479
Water Absorption	6.6 %	6.6 %	DIN 53495
Moisture Absorption at Equilibrium	2.1 %	2.1 %	50%RH; DIN 53714
Linear Mold Shrinkage	0.0035 cm/cm	0.0035 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	122	122	ASTM-D785
Tensile Strength, Yield	110 MPa	16000 psi	ASTM-D638
Elongation at Break	3.5 %	3.5 %	ASTM-D638
Flexural Strength	200 MPa	29000 psi	ASTM D790
Flexural Modulus	7.00 GPa	1020 ksi	ASTM-D790
Izod Impact, Notched	0.450 J/cm @Temperature 23.0 °C	0.843 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Melting Point	218 °C	424 °F	
Maximum Service Temperature, Air	110 °C	230 °F	Continuous Use
	200 °C	392 °F	Short peaks operation
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	DIN 53482
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	DIN 53482

Electrical Properties	Metric	English	Comments
Dielectric Constant	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	VDE 0303/4
Dielectric Strength	80.0 kV/mm	2030 kV/in	VDE 0303/4

## Contact Songhan Plastic Technology Co.,Ltd.

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