

## Polyram PlusTek PB304G7 Nylon 6, 35% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 40% Glass Fiber Filled

### Material Notes:

35% glass-fiber reinforced, heat stabilized and impact modified 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-PB304G7-Nylon-6-35-Glass-Fiber.php](http://www.lookpolymers.com/polymer_Polyram-PlusTek-PB304G7-Nylon-6-35-Glass-Fiber.php)

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in <sup>3</sup>	DIN 53479
Water Absorption	7.1 %	7.1 %	DIN 53495
Moisture Absorption at Equilibrium	2.3 %	2.3 %	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	180 MPa	26100 psi	ASTM-D638
Elongation at Break	3.5 %	3.5 %	ASTM-D638
Flexural Strength	280 MPa	40600 psi	ASTM D790
Flexural Modulus	8.00 GPa	1160 ksi	ASTM-D790
Izod Impact, Notched	1.60 J/cm @Temperature 23.0 °C	3.00 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
Deflection Temperature at 0.46 MPa (66 psi)	220 °C	428 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	210 °C	410 °F	DIN 53461
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
Dielectric Constant	3.8 @Frequency 1e+6 Hz	3.8 @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.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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