

## Polyram PlusTek RA331G6 Nylon 66 for Injection Molding, 30% Glass-Fiber Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled

### Material Notes:

30% Glass-fiber reinforced Nylon 66 for injection molding applications. Information provided by Polyram.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polyram-PlusTek-RA331G6-Nylon-66-for-Injection-Molding-30-Glass-Fiber-Reinforced.php](http://www.lookpolymers.com/polymer_Polyram-PlusTek-RA331G6-Nylon-66-for-Injection-Molding-30-Glass-Fiber-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in <sup>3</sup>	ISO 1183
Water Absorption at Saturation	0.80 %	0.80 %	ISO 62
Linear Mold Shrinkage	0.0020 - 0.0030 cm/cm	0.0020 - 0.0030 in/in	ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	160 MPa	23200 psi	ISO 527
Elongation at Break	2.3 %	2.3 %	ISO 527
Flexural Strength	220 MPa	31900 psi	ISO 178
Flexural Modulus	7.80 GPa	1130 ksi	ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/m <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	256 °C	493 °F	ISO 11357
Deflection Temperature at 0.46 MPa (66 psi)	259 °C	498 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	249 °C	480 °F	ISO 75
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	IEC 60093
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	IEC 60093
Dielectric Constant	3.5 @Frequency 1.00e+6	3.5 @Frequency 1.00e+6	IEC 60250

Electrical Properties	Hz Metric	Hz English	Comments
Dielectric Strength	90.0 kV/mm	2290 kV/in	IEC 60250

## Contact Songhan Plastic Technology Co.,Ltd.

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