

## Polyram PlusTek RA320G5 Nylon 66 for Injection Molding, 25% Glass-Fiber Reinforced, Flame Retardant and High Stiffness

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Fiber Filled, Flame Retardant

### Material Notes:

25% Glass-fiber reinforced, flame retardant and high stiffness Nylon 66 for injection molding applications. Information provided by Polyram.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polyram-PlusTek-RA320G5-Nylon-66-for-Injection-Molding-25-Glass-Fiber-Reinforced-Flame-Retardant-and-High-Stiffness.php](http://www.lookpolymers.com/polymer_Polyram-PlusTek-RA320G5-Nylon-66-for-Injection-Molding-25-Glass-Fiber-Reinforced-Flame-Retardant-and-High-Stiffness.php)

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption at Equilibrium	1.5 %	1.5 %	50% RH; ISO 62
Water Absorption at Saturation	4.5 %	4.5 %	ISO 62
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	ISO 2577

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	
Tensile Strength, Yield	130 MPa	18900 psi	ISO 527
Elongation at Break	2.5 %	2.5 %	ISO 527
Flexural Strength	180 MPa	26100 psi	ISO 178
Flexural Modulus	6.00 GPa	870 ksi	ISO 178
Izod Impact, Notched (ISO)	7.00 kJ/m <sup>2</sup>	3.33 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)	240 °C	464 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	230 °C	446 °F	ISO 75
Flammability, UL94	V-0 @Thickness 3.00 mm	V-0 @Thickness 0.118 in	
Glow Wire Test	960 °C	1760 °F	GWFI; IEC 60695

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	3.8 @Frequency 1.00e+6 Hz	3.8 @Frequency 1.00e+6 Hz	IEC 60250

## Contact Songhan Plastic Technology Co.,Ltd.

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