

## Polyram PlusTek PA4802G6BK10 Nylon 66 for Injection Molding, 30% Glass Fiber Reinforced, PTFE Lubricated

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Fiber/PTFE Filled

**Material Notes:**

30% Glass fiber reinforced, PTFE lubricated Nylon 66 for injection molding application. Information provided by Polyram.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polyram-PlusTek-PA4802G6BK10-Nylon-66-for-Injection-Molding-30-Glass-Fiber-Reinforced-PTFE-Lubricated.php](http://www.lookpolymers.com/polymer_Polyram-PlusTek-PA4802G6BK10-Nylon-66-for-Injection-Molding-30-Glass-Fiber-Reinforced-PTFE-Lubricated.php)

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in <sup>3</sup>	ISO 1183
Water Absorption at Saturation	0.80 %	0.80 %	ISO 62
Linear Mold Shrinkage	0.0030 - 0.0040 cm/cm	0.0030 - 0.0040 in/in	ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	165 MPa	23900 psi	ISO 527
Elongation at Break	2.5 %	2.5 %	ISO 527
Tensile Modulus	8.00 GPa	1160 ksi	ISO 527
Flexural Strength	220 MPa	31900 psi	ISO 178
Flexural Modulus	6.50 GPa	943 ksi	ISO 178
Izod Impact, Notched (ISO)	13.0 kJ/m <sup>2</sup>	6.19 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+14 ohm-cm	1.00e+14 ohm-cm	IEC 60093

## **Contact Songhan Plastic Technology Co.,Ltd.**

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