

## Polyram PlusTek PA4801G6 Nylon 6.6, 30% Glass Fiber Reinforced, PTFE lubricated

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

### Material Notes:

30% glass fiber reinforced, PTFE lubricated polyamide 6.6 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-PA4801G6-Nylon-66-30-Glass-Fiber-Reinforced-PTFE-lubricated.php](http://www.lookpolymers.com/polymer_Polyram-PlusTek-PA4801G6-Nylon-66-30-Glass-Fiber-Reinforced-PTFE-lubricated.php)

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in <sup>3</sup>	DIN 53479
Water Absorption	0.80 %	0.80 %	DIN 53495
Linear Mold Shrinkage	0.0030 - 0.0040 cm/cm	0.0030 - 0.0040 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	175 MPa	25400 psi	ASTM-D638
Elongation at Break	3.0 %	3.0 %	ASTM-D638
Tensile Modulus	8.30 GPa	1200 ksi	ASTM-D790
Flexural Strength	250 MPa	36300 psi	ASTM D790
Flexural Modulus	6.80 GPa	986 ksi	ASTM-D790
Izod Impact, Notched	1.70 J/cm @Temperature 23.0 °C	3.18 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Melting Point	256 °C	493 °F	
Deflection Temperature at 0.46 MPa (66 psi)	243 °C	469 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	227 °C	441 °F	DIN 53461
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	DIN 53482

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

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