

## Polyram PlusTek PA7800G33 Nylon 6.6 for Injection Molding, 33% Glass Fiber Reinforced, Heat Stabilized, Impact Modified

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Reinforced, Impact Grade

### Material Notes:

33% Glass fiber reinforced, heat stabilized, impact modified Nylon 6.6 for injection molding applications. Information provided by Polyram.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polyram-PlusTek-PA7800G33-Nylon-66-for-Injection-Molding-33-Glass-Fiber-Reinforced-Heat-Stabilized-Impact-Modified.php](http://www.lookpolymers.com/polymer_Polyram-PlusTek-PA7800G33-Nylon-66-for-Injection-Molding-33-Glass-Fiber-Reinforced-Heat-Stabilized-Impact-Modified.php)

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 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	0.0040 - 0.0050 cm/cm	0.0040 - 0.0050 in/in	ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	157 MPa	22800 psi	ISO 527
Elongation at Break	4.5 %	4.5 %	ISO 527
Tensile Modulus	8.81 GPa	1280 ksi	ISO 527
Flexural Strength	210 MPa	30500 psi	ISO 178
Flexural Modulus	8.55 GPa	1240 ksi	ISO 178
Izod Impact, Notched (ISO)	19.0 kJ/m <sup>2</sup> @Temperature -30.0 °C	9.04 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 180
	22.5 kJ/m <sup>2</sup> @Temperature 23.0 °C	10.7 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	ISO 11357
Deflection Temperature at 0.46 MPa (66 psi)	255 °C	491 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	240 °C	464 °F	ISO 75
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	IEC 60093
Dielectric Strength	22.0 kV/mm	559 kV/in	IEC 60250

## Contact Songhan Plastic Technology Co.,Ltd.

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