

## Polyram PlusTek PA340S05 Nylon 6.6 for Injection Molding, 5% Glass-beads Reinforced, Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Bead Filled

### Material Notes:

5% Glass-beads reinforced Nylon 6.6, heat stabilized for injection molding applications. Information provided by Polyram.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polyram-PlusTek-PA340S05-Nylon-66-for-Injection-Molding-5-Glass-beads-Reinforced-Heat-Stabilized.php](http://www.lookpolymers.com/polymer_Polyram-PlusTek-PA340S05-Nylon-66-for-Injection-Molding-5-Glass-beads-Reinforced-Heat-Stabilized.php)

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption at Equilibrium	4.4 %	4.4 %	50% RH; ISO 62
Water Absorption at Saturation	9.45 %	9.45 %	ISO 62
Linear Mold Shrinkage	0.014 - 0.018 cm/cm	0.014 - 0.018 in/in	ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	85.0 MPa	12300 psi	ISO 527
Elongation at Break	5.0 %	5.0 %	ISO 527
Tensile Modulus	2.85 GPa	413 ksi	ISO 527
Flexural Strength	135 MPa	19600 psi	ISO 178
Flexural Modulus	3.10 GPa	450 ksi	ISO 178
Izod Impact, Notched (ISO)	5.00 kJ/m <sup>2</sup>	2.38 ft-lb/in <sup>2</sup>	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	258 °C	496 °F	ISO 11357
Deflection Temperature at 0.46 MPa (66 psi)	210 °C	410 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	ISO 75
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	IEC 60093

Electrical Properties	<sup>3.6</sup> Metric	<sup>3.6</sup> English	Comments
Dielectric Constant	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	IEC 60250

## Contact Songhan Plastic Technology Co.,Ltd.

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