

Polyram PlusTek PA340S4 Nylon 66 for Injection Molding, 20% Glass-Beads Reinforced

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

Material Notes:

20% Glass-beads reinforced Nylon 66 for injection molding applications. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-PlusTek-PA340S4-Nylon-66-for-Injection-Molding-20-Glass-Beads-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.015 - 0.020 cm/cm	0.015 - 0.020 in/in	ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	76.0 MPa	11000 psi	ISO 527
Elongation at Break	4.0 %	4.0 %	ISO 527
Tensile Modulus	4.14 GPa	600 ksi	ISO 527
Flexural Strength	135 MPa	19600 psi	ISO 178
Flexural Modulus	4.135 GPa	599.7 ksi	ISO 178
Izod Impact, Notched (ISO)	3.70 kJ/m ²	1.76 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	256 °C	493 °F	ISO 11357
Deflection Temperature at 0.46 MPa (66 psi)	190 °C	374 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	80.0 °C	176 °F	ISO 75
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	
Glow Wire Test	650 °C	1200 °F	GWFI; IEC 60695

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	IEC 60093
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	IEC 60093

Electrical Properties Dielectric Constant	^{3.8} Metric	^{3.8} English	Comments IEC 60250
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dielectric Strength	80.0 kV/mm	2030 kV/in	IEC 60250

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