

Polyram PlusTek PD300G5 Nylon 12 for Injection Molding, 25% Glass-Fiber Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 12 , Nylon 12, 30% Glass Fiber Filled

Material Notes:

25% Glass-fiber reinforced Nylon 12, heat stabilized and hydrolysis resistant for injection molding applications. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-PlusTek-PD300G5-Nylon-12-for-Injection-Molding-25-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	ISO 1183
Water Absorption at Saturation	1.4 %	1.4 %	ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	100 MPa	14500 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Tensile Modulus	7.00 GPa	1020 ksi	ISO 527
Flexural Strength	150 MPa	21800 psi	ISO 178
Flexural Modulus	5.00 GPa	725 ksi	ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/m ²	4.76 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	175 °C	347 °F	ISO 11357
Deflection Temperature at 0.46 MPa (66 psi)	177 °C	351 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	163 °C	325 °F	ISO 75
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

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