

Polyram PlusTek PD502G6 Nylon 12 for Injection Molding, 30% Glass-fiber Reinforced

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

Material Notes:

30% Glass-fiber reinforced, V-0 1.6 mm, Nylon 12 for injection molding application. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-PlusTek-PD502G6-Nylon-12-for-Injection-Molding-30-Glass-fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.67 g/cc	0.0603 lb/in ³	ISO 1183
Water Absorption at Saturation	1.2 %	1.2 %	ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	115 MPa	16700 psi	ISO 527
Elongation at Break	6.0 %	6.0 %	ISO 527
Tensile Modulus	7.60 GPa	1100 ksi	ISO 527
Flexural Strength	185 MPa	26800 psi	ISO 178
Flexural Modulus	7.10 GPa	1030 ksi	ISO 178
Izod Impact, Notched (ISO)	17.0 kJ/m ²	8.09 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	165 - 175 °C	329 - 347 °F	ISO 11357
Flammability, UL94	V-0 @Thickness 1.60 mm	V-0 @Thickness 0.0630 in	

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