

Polyram PlusTek RD302G6 Nylon 12, 30% Glass Fiber

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

Material Notes:

30% glass-fiber reinforced polyamide 12 for injection molding applications Information provided by Polyram Ram On Ind.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-PlusTek-RD302G6-Nylon-12-30-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	DIN 53479
Water Absorption	1.2 %	1.2 %	DIN 53495
Linear Mold Shrinkage	0.0016 cm/cm	0.0016 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	130 MPa	18900 psi	ASTM-D638
Elongation at Break	4.0 %	4.0 %	ASTM-D638
Tensile Modulus	7.50 GPa	1090 ksi	ASTM-D790
Flexural Strength	150 MPa	21800 psi	ASTM D790
Flexural Modulus	5.00 GPa	725 ksi	ASTM-D790
Izod Impact, Notched	1.80 J/cm @Temperature 23.0 °C	3.37 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Melting Point	165 - 175 °C	329 - 347 °F	
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

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