

Polyram PlusTek RA300G3 Nylon 6.6, 15% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , 20% Glass Fiber Filled

Material Notes:

15% glass fiber reinforced polyamide 6.6 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-RA300G3-Nylon-66-15-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	DIN 53479
Water Absorption	0.90 %	0.90 %	DIN 53495
Linear Mold Shrinkage	0.0040 - 0.0050 cm/cm	0.0040 - 0.0050 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	>= 100 MPa	>= 14500 psi	ASTM-D638
Elongation at Break	3.0 %	3.0 %	ASTM-D638
Flexural Strength	>= 155 MPa	>= 22500 psi	ASTM D790
Flexural Modulus	>= 4.00 GPa	>= 580 ksi	ASTM-D790
Izod Impact, Notched	>= 0.300 J/cm @Temperature 23.0 °C	>= 0.562 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Melting Point	256 °C	493 °F	
Deflection Temperature at 0.46 MPa (66 psi)	>= 200 °C	>= 392 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	>= 180 °C	>= 356 °F	DIN 53461
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

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