

Polyram PlusTek RA300G4 Nylon 6.6, 20% Glass Fiber

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

Material Notes:

20% 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-RA300G4-Nylon-66-20-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in ³	DIN 53479
Water Absorption	0.85 %	0.85 %	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	>= 110 MPa	>= 16000 psi	ASTM-D638
Elongation at Break	3.0 %	3.0 %	ASTM-D638
Flexural Strength	>= 160 MPa	>= 23200 psi	ASTM D790
Flexural Modulus	>= 5.00 GPa	>= 725 ksi	ASTM-D790
Izod Impact, Notched	>= 0.400 J/cm @Temperature 23.0 °C	>= 0.749 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)	>= 240 °C	>= 464 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	>= 210 °C	>= 410 °F	DIN 53461
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

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