

Polyram PlusTek PA112NT Nylon 6.6, PTFE Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, PTFE Filled

Material Notes:Polyamide 66 filled with PTFE to improve wear resistance in molded parts
Information provided by Polyram Ram On Ind.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-PlusTek-PA112NT-Nylon-66-PTFE-Filled.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	DIN 53479
Water Absorption	8.5 %	8.5 %	DIN 53495
Moisture Absorption at Equilibrium	2.8 %	2.8 %	50%RH; DIN 53714
Linear Mold Shrinkage	0.020 cm/cm	0.020 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	70.0 MPa	10200 psi	ASTM-D638
Elongation at Break	15 %	15 %	ASTM-D638
Tensile Modulus	2.50 GPa	363 ksi	ASTM-D790
Flexural Strength	110 MPa	16000 psi	ASTM D790
Flexural Modulus	2.50 GPa	363 ksi	ASTM-D790
Izod Impact, Notched	0.650 J/cm @Temperature 23.0 °C	1.22 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)	210 °C	410 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	DIN 53461
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

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