

Polyram PlusTek RB703 Nylon 6, UV Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

Material Notes:

General purpose, UV stabilized polyamide 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-RB703-Nylon-6-UV-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	DIN 53479
Moisture Absorption at Equilibrium	1.3 %	1.3 %	50%RH; DIN 53714
Linear Mold Shrinkage	0.014 - 0.018 cm/cm	0.014 - 0.018 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	>= 70.0 MPa	>= 10200 psi	ASTM-D638
Elongation at Break	>= 15 %	>= 15 %	ASTM-D638
Flexural Strength	>= 95.0 MPa	>= 13800 psi	ASTM D790
Flexural Modulus	>= 2.20 GPa	>= 319 ksi	ASTM-D790
Izod Impact, Notched	>= 0.600 J/cm @Temperature 23.0 °C	>= 1.12 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Melting Point	218 °C	424 °F	
Deflection Temperature at 0.46 MPa (66 psi)	>= 160 °C	>= 320 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	>= 65.0 °C	>= 149 °F	DIN 53461

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