

Polyram PlusTek RD120 Nylon 12, Injection Molding

Category : Polymer , Thermoplastic , Nylon , Nylon 12

Material Notes:

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-RD120-Nylon-12-Injection-Molding.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	DIN 53479
Water Absorption	1.5 %	1.5 %	DIN 53495
Linear Mold Shrinkage	0.0164 cm/cm	0.0164 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	34.0 MPa	4930 psi	ASTM-D638
Elongation at Break	300 %	300 %	ASTM-D638
Flexural Strength	20.0 MPa	2900 psi	ASTM D790
Flexural Modulus	0.400 GPa	58.0 ksi	ASTM-D790
Izod Impact, Notched	9.99 J/cm @Temperature 23.0 °C	18.7 ft-lb/in @Temperature 73.4 °F	ASTM-D256

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

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