

Polyram PlusTek RA103 Nylon 6.6, Impact Modified

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Impact Grade

Material Notes:

Impact resistant 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-RA103-Nylon-66-Impact-Modified.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	DIN 53479
Water Absorption	0.95 %	0.95 %	DIN 53495
Linear Mold Shrinkage	0.016 - 0.020 cm/cm	0.016 - 0.020 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	>= 65.0 MPa	>= 9430 psi	ASTM-D638
Elongation at Break	>= 25 %	>= 25 %	ASTM-D638
Flexural Strength	>= 95.0 MPa	>= 13800 psi	ASTM D790
Flexural Modulus	>= 2.00 GPa	>= 290 ksi	ASTM-D790
Izod Impact, Notched	>= 0.800 J/cm @Temperature 23.0 °C	>= 1.50 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)	235 °C	455 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	90.0 °C	194 °F	DIN 53461
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

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