

Polyram PlusTek RA502 Nylon 6.6, Flame Retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Unreinforced, Flame Retardant

Material Notes:

Polyamide 6.6, flame retardant for injection molding applicationsInformation provided by Polyram Ram On Ind.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-PlusTek-RA502-Nylon-66-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	DIN 53479
Water Absorption	0.90 %	0.90 %	DIN 53495
Linear Mold Shrinkage	0.010 - 0.015 cm/cm	0.010 - 0.015 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	>= 80.0 MPa	>= 11600 psi	ASTM-D638
Elongation at Break	>= 10 %	>= 10 %	ASTM-D638
Flexural Strength	>= 115 MPa	>= 16700 psi	ASTM D790
Flexural Modulus	>= 2.60 GPa	>= 377 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)	>= 180 °C	>= 356 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	>= 90.0 °C	>= 194 °F	DIN 53461
Glow Wire Test	850 °C	1560 °F	

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