

## Polyram PlusTek RB145 Nylon 6, General Purpose

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

**Material Notes:**

General purpose 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-RB145-Nylon-6-General-Purpose.php](http://www.lookpolymers.com/polymer_Polyram-PlusTek-RB145-Nylon-6-General-Purpose.php)

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in <sup>3</sup>	DIN 53479

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	75.0 MPa	10900 psi	ASTM-D638
Elongation at Break	85 %	85 %	ASTM-D638
Tensile Modulus	2.465 GPa	357.5 ksi	ASTM-D790
Flexural Strength	90.0 MPa	13100 psi	ASTM D790
Flexural Modulus	2.00 GPa	290 ksi	ASTM-D790
Izod Impact, Notched	0.700 J/cm @Temperature 23.0 °C	1.31 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Melting Point	218 °C	424 °F	

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