

## Polyram PlusTek RB841 Nylon 6, Impact Modified

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Impact Grade

**Material Notes:**

Impact modified 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-RB841-Nylon-6-Impact-Modified.php](http://www.lookpolymers.com/polymer_Polyram-PlusTek-RB841-Nylon-6-Impact-Modified.php)

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in <sup>3</sup>	DIN 53479
Moisture Absorption at Equilibrium	2.8 %	2.8 %	50%RH; DIN 53714
Linear Mold Shrinkage	0.013 - 0.015 cm/cm	0.013 - 0.015 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	>= 55.0 MPa	>= 7980 psi	ASTM-D638
Elongation at Break	>= 25 %	>= 25 %	ASTM-D638
Flexural Strength	>= 70.0 MPa	>= 10200 psi	ASTM D790
Flexural Modulus	>= 1.60 GPa	>= 232 ksi	ASTM-D790
Izod Impact, Notched	>= 1.50 J/cm @Temperature 23.0 °C	>= 2.81 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)	>= 150 °C	>= 302 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	>= 60.0 °C	>= 140 °F	DIN 53461
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

## Contact Songhan Plastic Technology Co.,Ltd.

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