

## Polyram PlusTek RB506 Nylon 6, Flame Retardant

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

**Material Notes:**

Flame retardant 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-RB506-Nylon-6-Flame-Retardant.php](http://www.lookpolymers.com/polymer_Polyram-PlusTek-RB506-Nylon-6-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in <sup>3</sup>	DIN 53479
Linear Mold Shrinkage	0.014 - 0.016 cm/cm	0.014 - 0.016 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	>= 60.0 MPa	>= 8700 psi	ASTM-D638
Elongation at Break	>= 15 %	>= 15 %	ASTM-D638
Flexural Strength	>= 90.0 MPa	>= 13100 psi	ASTM D790
Flexural Modulus	>= 2.20 GPa	>= 319 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	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)	>= 70.0 °C	>= 158 °F	DIN 53461
Flammability, UL94	V-0 @Thickness 3.00 mm	V-0 @Thickness 0.118 in	

## Contact Songhan Plastic Technology Co.,Ltd.

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