

## Polyram PlusTek RD104 Nylon 12, Injection Molding

Category : Polymer , Thermoplastic , Nylon , Nylon 12

### Material Notes:

Outstanding flexibility polyamide 12 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-RD104-Nylon-12-Injection-Molding.php](http://www.lookpolymers.com/polymer_Polyram-PlusTek-RD104-Nylon-12-Injection-Molding.php)

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in <sup>3</sup>	DIN 53479
Water Absorption	0.90 %	0.90 %	DIN 53495
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	80	80	ASTM-D785
Tensile Strength, Yield	35.0 MPa	5080 psi	ASTM-D638
Elongation at Break	300 %	300 %	ASTM-D638
Tensile Modulus	0.700 GPa	102 ksi	ASTM-D790
Flexural Strength	45.0 MPa	6530 psi	ASTM D790
Flexural Modulus	0.700 GPa	102 ksi	ASTM-D790
Izod Impact, Notched	9.99 J/cm @Temperature 23.0 °C	18.7 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Melting Point	175 °C	347 °F	
Deflection Temperature at 0.46 MPa (66 psi)	125 °C	257 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °F	DIN 53461
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	
Glow Wire Test	650 °C	1200 °F	

Electrical Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Volume Resistivity Electrical Properties	1.00e+10 ohm-cm Metric	1.00e+10 ohm-cm English	DIN 53482 Comments
Surface Resistance	1.00e+11 ohm	1.00e+11 ohm	DIN 53482
Dielectric Strength	55.0 kV/mm	1400 kV/in	VDE 0303/4

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China