

## Addiplast Addinyl B2 R Nylon 6

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

**Material Notes:**

High impact resistance Information provided by Addiplast.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Addiplast-Addinyl-B2-R-Nylon-6.php](http://www.lookpolymers.com/polymer_Addiplast-Addinyl-B2-R-Nylon-6.php)

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in <sup>3</sup>	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	Conditioned; ISO 868
	78	78	ISO 868
Tensile Strength, Yield	40.0 MPa	5800 psi	Conditioned; ISO R 527
	60.0 MPa	8700 psi	ISO R 527
Elongation at Yield	>= 50 %	>= 50 %	ISO R 527
	>= 50 %	>= 50 %	Conditioned; ISO R 527
Modulus of Elasticity	0.700 GPa	102 ksi	Conditioned; ISO 178
	2.10 GPa	305 ksi	ISO 178
Izod Impact, Notched (ISO)	15.0 kJ/m <sup>2</sup>	7.14 ft-lb/in <sup>2</sup>	ISO 180/1A
	NB	NB	Conditioned; ISO 180/1A
Charpy Impact Unnotched	NB	NB	ISO 179/leU
	NB	NB	Conditioned; ISO 179/leU
Charpy Impact, Notched	1.30 J/cm <sup>2</sup>	6.19 ft-lb/in <sup>2</sup>	ISO 179/leA
	4.00 J/cm <sup>2</sup>	19.0 ft-lb/in <sup>2</sup>	Conditioned; ISO 179/leA

Thermal Properties	Metric	English	Comments
CTE, linear	100 µm/m-°C	55.6 µin/in-°F	ASTM E831
Melting Point	220 °C	428 °F	ISO 3146/C2
Deflection Temperature at 1.8 MPa (264 psi)	65.0 °C	149 °F	ISO 75-2/AF

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+11 ohm-cm	1.00e+11 ohm-cm	Conditioned; CEI 60093
	1.00e+15 ohm-cm	1.00e+15 ohm-cm	CEI 60093
Surface Resistance	1.00e+11 ohm	1.00e+11 ohm	Conditioned; CEI 60093
	1.00e+14 ohm	1.00e+14 ohm	CEI 60093
Comparative Tracking Index	600 V	600 V	CEI 60112/Solution A

## 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