

## Addiplast Addinyl B2 Nylon 6

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

### Material Notes:

Unreinforced, medium viscosity Information provided by Addiplast.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in <sup>3</sup>	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	71	71	Conditioned; ISO 868
	82	82	ISO 868
Tensile Strength, Yield	50.0 MPa	7250 psi	Conditioned; ISO R 527
	80.0 MPa	11600 psi	ISO R 527
Elongation at Yield	30 %	30 %	ISO R 527
	>= 50 %	>= 50 %	Conditioned; ISO R 527
Modulus of Elasticity	0.900 GPa	131 ksi	Conditioned; ISO 178
	2.80 GPa	406 ksi	ISO 178
Izod Impact, Notched (ISO)	5.50 kJ/m <sup>2</sup>	2.62 ft-lb/in <sup>2</sup>	ISO 180/1A
	16.0 kJ/m <sup>2</sup>	7.61 ft-lb/in <sup>2</sup>	Conditioned; ISO 180/1A
Charpy Impact Unnotched	NB	NB	ISO 179/leU
	NB	NB	Conditioned; ISO 179/leU
Charpy Impact, Notched	0.500 J/cm <sup>2</sup>	2.38 ft-lb/in <sup>2</sup>	ISO 179/leA
	1.50 J/cm <sup>2</sup>	7.14 ft-lb/in <sup>2</sup>	Conditioned; ISO 179/leA

Thermal Properties	Metric	English	Comments
CTE, linear	70.0 μm/m-°C	38.9 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+12 ohm-cm	1.00e+12 ohm-cm	Conditioned; CEI 60093
	1.00e+15 ohm-cm	1.00e+15 ohm-cm	CEI 60093
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	Conditioned; CEI 60093
	1.00e+14 ohm	1.00e+14 ohm	CEI 60093
Dielectric Strength	25.0 kV/mm	635 kV/in	Conditioned; CEI 60243-1
	26.0 kV/mm	660 kV/in	CEI 60243-1
Comparative Tracking Index	600 V	600 V	CEI 60112/Solution A

## Contact Songhan Plastic Technology Co.,Ltd.

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