

## Addiplast Addinyl PMD 20104 Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Unreinforced

### Material Notes:

High molding rate Information provided by Addiplast.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Addiplast-Addinyl-PMD-20104-Nylon-66.php](http://www.lookpolymers.com/polymer_Addiplast-Addinyl-PMD-20104-Nylon-66.php)

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in <sup>3</sup>	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	79	79	Conditioned; ISO 868
	85	85	ISO 868
Tensile Strength at Break	65.0 MPa	9430 psi	Conditioned; ISO R 527
	70.0 MPa	10200 psi	ISO R 527
Tensile Strength, Yield	55.0 MPa	7980 psi	Conditioned; ISO R 527
	85.0 MPa	12300 psi	ISO R 527
Elongation at Yield	30 %	30 %	ISO R 527
	>= 50 %	>= 50 %	Conditioned; ISO R 527
Modulus of Elasticity	1.30 GPa	189 ksi	Conditioned; ISO 178
	2.90 GPa	421 ksi	ISO 178
Izod Impact, Notched (ISO)	4.50 kJ/m <sup>2</sup>	2.14 ft-lb/in <sup>2</sup>	ISO 180/1A
	14.0 kJ/m <sup>2</sup>	6.66 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
	1.30 J/cm <sup>2</sup>	6.19 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	260 °C	500 °F	ISO 3146/C2

Thermal Properties	Metric	English	Comments
Stress at Break (23°C)	1.8 MPa	1.8 MPa	ISO 18-2/AF

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

## Contact Songhan Plastic Technology Co.,Ltd.

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