

## Addiplast Addinyl PMD 20117 Flame Retardant Nylon, Glass Filled

Category : Polymer , Thermoplastic , Nylon

**Material Notes:**

Flame retardant, glass fiber reinforced, friction resistant Information provided by Addiplast.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Addiplast-Addinyl-PMD-20117-Flame-Retardant-Nylon-Glass-Filled.php](http://www.lookpolymers.com/polymer_Addiplast-Addinyl-PMD-20117-Flame-Retardant-Nylon-Glass-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.53 g/cc	0.0553 lb/in <sup>3</sup>	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	Conditioned; ISO 868
	84	84	ISO 868
Tensile Strength at Break	75.0 MPa	10900 psi	Conditioned; ISO R 527
	110 MPa	16000 psi	ISO R 527
Elongation at Break	4.0 %	4.0 %	ISO R 527
	5.0 %	5.0 %	Conditioned; ISO R 527
Modulus of Elasticity	5.00 GPa	725 ksi	Conditioned; ISO 178
	8.00 GPa	1160 ksi	ISO 178
Izod Impact, Notched (ISO)	6.50 kJ/m <sup>2</sup>	3.09 ft-lb/in <sup>2</sup>	ISO 180/1A
	7.00 kJ/m <sup>2</sup>	3.33 ft-lb/in <sup>2</sup>	Conditioned; ISO 180/1A
Charpy Impact Unnotched	4.00 J/cm <sup>2</sup>	19.0 ft-lb/in <sup>2</sup>	ISO 179/leU
	4.00 J/cm <sup>2</sup>	19.0 ft-lb/in <sup>2</sup>	Conditioned; ISO 179/leU
Charpy Impact, Notched	0.700 J/cm <sup>2</sup>	3.33 ft-lb/in <sup>2</sup>	ISO 179/leA
	0.750 J/cm <sup>2</sup>	3.57 ft-lb/in <sup>2</sup>	Conditioned; ISO 179/leA

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO 3146/C2
Deflection Temperature at 1.8 MPa (264 psi)	205 °C	401 °F	ISO 75-2/AF
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Thermal Properties	Metric	English	Comments
Glow Wire Test	960 °C	1760 °F	CEI 60695/2/1

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+11 ohm	1.00e+11 ohm	Conditioned; CEI 60093
	1.00e+13 ohm	1.00e+13 ohm	CEI 60093
Comparative Tracking Index	300 V	300 V	CEI 60112/Solution A

## Contact Songhan Plastic Technology Co.,Ltd.

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