

## Addiplast Addinyl B25 V25 Flame Retardant Nylon 6, 25% Glass Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 30% Glass Fiber Filled , Nylon 6, Glass Fiber Filled, Flame Retardant

### Material Notes:

Flame retardant, 25% glass fiber reinforced, with halogens Information provided by Addiplast.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Addiplast-Addinyl-B25-V25-Flame-Retardant-Nylon-6-25-Glass-Filled.php](http://www.lookpolymers.com/polymer_Addiplast-Addinyl-B25-V25-Flame-Retardant-Nylon-6-25-Glass-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.55 g/cc	0.0560 lb/in <sup>3</sup>	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	88	88	Conditioned; ISO 868
	89	89	ISO 868
Tensile Strength at Break	100 MPa	14500 psi	Conditioned; ISO R 527
	125 MPa	18100 psi	ISO R 527
Elongation at Break	5.0 %	5.0 %	ISO R 527
	5.0 %	5.0 %	Conditioned; ISO R 527
Modulus of Elasticity	6.30 GPa	914 ksi	Conditioned; ISO 178
	7.50 GPa	1090 ksi	ISO 178
Izod Impact, Notched (ISO)	9.50 kJ/m <sup>2</sup>	4.52 ft-lb/in <sup>2</sup>	ISO 180/1A
	11.0 kJ/m <sup>2</sup>	5.23 ft-lb/in <sup>2</sup>	Conditioned; ISO 180/1A
Charpy Impact Unnotched	6.50 J/cm <sup>2</sup>	30.9 ft-lb/in <sup>2</sup>	ISO 179/leU
	6.50 J/cm <sup>2</sup>	30.9 ft-lb/in <sup>2</sup>	Conditioned; ISO 179/leU
Charpy Impact, Notched	0.950 J/cm <sup>2</sup>	4.52 ft-lb/in <sup>2</sup>	ISO 179/leA
	1.15 J/cm <sup>2</sup>	5.47 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)	200 °C	392 °F	ISO 75-2/AF
Flammability, UL94	V-0	V-0	
	@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	275 V	275 V	CEI 60112/Solution A

## Contact Songhan Plastic Technology Co.,Ltd.

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