

SABIC Innovative Plastics LNP Verton PV007SV_YW8D151 PA 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 40% Glass Fiber Filled

Material Notes:

Preliminary data for 35% long fiber single pellet color filled PA6 This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Verton-PV007SVYW8D151-PA-6.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	ASTM D 792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	174 MPa	25200 psi	Type I, 5 mm/min; ASTM D 638
	190 MPa	27600 psi	5 mm/min; ISO 527
Elongation at Break	2.6 %	2.6 %	Type I, 5 mm/min; ASTM D 638
	2.8 %	2.8 %	5 mm/min; ISO 527
Tensile Modulus	8.32 GPa	1210 ksi	1 mm/min; ISO 527
	9.30 GPa	1350 ksi	5 mm/min; ASTM D 638
Flexural Yield Strength	216 MPa	31300 psi	1.3 mm/min, 50 mm span; ASTM D 790
	238 MPa	34500 psi	2 mm/min; ISO 178
Flexural Modulus	6.42 GPa	931 ksi	1.3 mm/min, 50 mm span; ASTM D 790
	7.70 GPa	1120 ksi	2 mm/min; ISO 178
Izod Impact, Notched	1.23 J/cm	2.30 ft-lb/in	ASTM D 256
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	1.91 J/cm	3.58 ft-lb/in	ASTM D 256
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Izod Impact, Unnotched	11.6 J/cm	21.7 ft-lb/in	ASTM D 4812
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Notched (ISO)	18.0 kJ/m ²	8.57 ft-lb/in ²	80*10*4; ISO 180/1A
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	18.0 kJ/m ²	8.57 ft-lb/in ²	80*10*4; ISO 180/1A
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Mechanical Properties	Metric	English	Comments
Izod Impact, Unnotched (ISO)	10.0 kJ/m ² @Temperature 23.0 °C	53.1 ft·lb/in ² @Temperature 73.4 °F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	215 °C	419 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China