

SABIC Innovative Plastics LNP VERTON MV008SXP PP (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

LNP* Verton* MV008SXP is a compound based on Polypropylene resin containing Long Glass. Added features include: Chemically Coupled, Heat Stabilized.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-VERTON-MV008SXP-PP-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	ISO 1183
	1.23 g/cc	0.0444 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.00080 cm/cm	0.00080 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
	0.0010 cm/cm	0.0010 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0030 cm/cm	0.0030 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
	0.0032 cm/cm	0.0032 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	119 MPa	17300 psi	ASTM D638
	127 MPa	18400 psi	5 mm/min; ISO 527
Elongation at Break	2.5 %	2.5 %	5 mm/min; ISO 527
	2.6 %	2.6 %	ASTM D638
Tensile Modulus	9.55 GPa	1390 ksi	50 mm/min; ASTM D638
	10.12 GPa	1468 ksi	1 mm/min; ISO 527
Flexural Strength	187 MPa	27100 psi	ISO 178
Flexural Modulus	7.80 GPa	1130 ksi	ASTM D790
	8.25 GPa	1200 ksi	2 mm/min; ISO 178
Izod Impact, Notched	2.08 J/cm	3.90 ft-lb/in	ASTM D256

Mechanical Properties	Metric	English	Comments
Izod Impact, Notched (ISO)	25.0 kJ/m ²	11.3 ft-lb/in ²	80*10*4, ISO 180/1A
Izod Impact, Unnotched (ISO)	50.0 kJ/m ²	23.8 ft-lb/in ²	80*10*4; ISO 180/1U
Dart Drop, Total Energy	10.0 J	7.38 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763
Impact Test	10.0 J	7.38 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	46.0 µm/m-°C	25.6 µin/in-°F	ASTM E 831
	@Temperature -40.0 - 40.0 °C	@Temperature -40.0 - 104 °F	
	46.1 µm/m-°C	25.6 µin/in-°F	ISO 11359-2
	@Temperature -40.0 - 40.0 °C	@Temperature -40.0 - 104 °F	
CTE, linear, Transverse to Flow	82.6 µm/m-°C	45.9 µin/in-°F	ASTM E 831
	@Temperature -40.0 - 40.0 °C	@Temperature -40.0 - 104 °F	
	82.7 µm/m-°C	45.9 µin/in-°F	ISO 11359-2
	@Temperature -40.0 - 40.0 °C	@Temperature -40.0 - 104 °F	
Deflection Temperature at 0.46 MPa (66 psi)	164 °C	327 °F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	160 °C	320 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	157 °C	315 °F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	

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