SABIC Innovative Plastics LNP VERTON MV00ASU PP

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

LNP VERTON* MV00ASU is a compound based on Polypropylene resin containing 50% Long Glass Fiber. Added features of this material include: Chemically Coupled, Heat Stabilized, UV Stabilized, Structural.

Order this product through the following link:
http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-VERTON-MV00ASU-PP.php

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in³	ISO 1183
	1.35 g/cc	0.0488 lb/in³	ASTM D792
Linear Mold Shrinkage, Flow	0.0013 cm/cm @Time 86400 sec	0.0013 in/in @Time 24.0 hour	ASTM D955
Linear Mold Shrinkage, Transverse	0.0028 cm/cm @Time 86400 sec	0.0028 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	131 MPa	19000 psi	ASTM D638
	141 MPa	20500 psi	ISO 527
Elongation at Break	1.7 %	1.7 %	ISO 527
	1.8 %	1.8 %	ASTM D638
Tensile Modulus	10.44 GPa	1514 ksi	50 mm/min; ASTM D638
	13.87 GPa	2012 ksi	1 mm/min; ISO 527
Flexural Strength	187 MPa	27100 psi	ASTM D790
	214 MPa	31000 psi	ISO 178
Flexural Modulus	9.34 GPa	1350 ksi	ASTM D790
	11.14 GPa	1616 ksi	ISO 178
Izod Impact, Notched	2.08 J/cm	3.90 ft-lb/in	ASTM D256
Izod Impact, Notched (ISO)	29.0 kJ/m²	13.8 ft-lb/in²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	66.0 kJ/m²	31.4 ft-lb/in²	80*10*4; ISO 180/1U
Dart Drop, Total Energy	13.0 J	9.59 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763

Mechanical Properties	Metric	English	Comments
Impact Test	13.0 J	9.59 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	33.6 µm/m-°C @Temperature -40.0 - 40.0 °C	18.7 µin/in-°F @Temperature -40.0 - 104 °F	ASTM E 831
	33.7 µm/m-°C @Temperature -40.0 - 40.0 °C	18.7 µin/in-°F @Temperature -40.0 - 104 °F	ISO 11359-2
CTE, linear, Transverse to Flow	45.7 µm/m-°C @Temperature -40.0 - 40.0 °C	25.4 µin/in-°F @Temperature -40.0 - 104 °F	ASTM E 831
	45.8 µm/m-°C @Temperature -40.0 - 40.0 °C	25.4 µin/in-°F @Temperature -40.0 - 104 °F	ISO 11359-2
Deflection Temperature at 0.46 MPa (66 psi)	134 °C	273 °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 @Thickness 3.20 mm	315 °F @Thickness 0.126 in	unannealed; ASTM D648

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