

SABIC Innovative Plastics LNP VERTON MVL36SX0 PP (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

LNP* VERTON* MVL36SX0 is a compound based on PP resin containing Long Glass Fiber and PTFE. Added features include: Chemically coupled, Heat Stabilized, Internally Lubricated.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-VERTON-MVL36SX0-PP-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in ³	ISO 1183
Water Absorption	0.010 % @Time 86400 sec	0.010 % @Time 24.0 hour	ISO 62-1
Linear Mold Shrinkage, Flow	0.0037 cm/cm @Time 86400 sec	0.0037 in/in @Time 24.0 hour	ISO 294
Linear Mold Shrinkage, Transverse	0.0073 cm/cm @Time 86400 sec	0.0073 in/in @Time 24.0 hour	ISO 294

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	116 MPa	16800 psi	5 mm/min; ISO 527
Elongation at Break	2.2 %	2.2 %	5 mm/min; ISO 527
Tensile Modulus	8.50 GPa	1230 ksi	1 mm/min; ISO 527
Flexural Strength	133 MPa	19300 psi	2 mm/min; ISO 178
Flexural Modulus	6.50 GPa	943 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	17.0 kJ/m ²	8.09 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	42.0 kJ/m ²	20.0 ft-lb/in ²	80*10*4; ISO 180/1U
Impact Test	5.00 J	3.69 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	163 Â°C	325 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	157 Â°C	315 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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