

LNP™ VERTON™ MVL36SX0 compound

Polypropylene

SABIC Innovative Plastics Europe

Message:

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.

Also known as: LNP* VERTON* Compound MFXL-8036 HS BLACK

Product reorder name: MVL36SX0

General Information			
Filler / Reinforcement	Long Glass Fiber		
Additive	Heat Stabilizer		
	PTFE Lubricant		
Features	Chemically Coupled		
	Heat Stabilized		
	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.28	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow : 24 hr	0.73	%	
Flow : 24 hr	0.37	%	
Water Absorption (23°C, 24 hr)	0.010	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8500	MPa	ISO 527-2/1
Tensile Stress (Break)	116	MPa	ISO 527-2/5
Tensile Strain (Break)	2.2	%	ISO 527-2/5
Flexural Modulus ¹	6500	MPa	ISO 178
Flexural Stress	133	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	17	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	42	kJ/m ²	ISO 180/1U
Multi-Axial Instrumented Impact Energy	5.00	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, Unannealed, 64.0 mm Span	163	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	157	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	

Drying Temperature	82.2	°C
Drying Time	4.0	hr
Rear Temperature	193 to 204	°C
Middle Temperature	199 to 210	°C
Front Temperature	204 to 216	°C
Processing (Melt) Temp	216 to 221	°C
Mold Temperature	32.2 to 48.9	°C
Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm

NOTE

- | | |
|----|------------|
| 1. | 2.0 mm/min |
| 2. | 80*10*4 |
| 3. | 80*10*4 |
| 4. | 80*10*4 mm |

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