

LNP™ VERTON™ MV007SUP compound

Polypropylene

SABIC Innovative Plastics Europe

Message:

LNP VERTON MV007SUP is a compound based on PP resin containing Long Glass Fiber. Added features include; Chemically Coupled, Heat Stabilized, UV Stabilized.

Also known as: LNP* VERTON* Compound PP MFX7007HSUV-GY03485

Product reorder name: MV007SUP

General Information			
UL YellowCard	E45329-101358095		
Filler / Reinforcement	Long Glass Fiber		
Additive	Heat Stabilizer		
	UV Stabilizer		
Features	Chemically Coupled		
	Heat Stabilized		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm ³	ISO 1183
Molding Shrinkage - Flow (24 hr)	0.20 to 0.50	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9800	MPa	ISO 527-2/1
Tensile Stress (Break)	115	MPa	ISO 527-2/5
Tensile Strain (Break)	1.7	%	ISO 527-2/5
Flexural Modulus ¹	7700	MPa	ISO 178
Flexural Stress	162	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	20	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	45	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, Unannealed, 64.0 mm Span	162	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	160	°C	ISO 75-2/Af
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	

Rear Temperature	232 to 243	°C
Middle Temperature	243 to 254	°C
Front Temperature	249 to 260	°C
Processing (Melt) Temp	221 to 249	°C
Mold Temperature	37.8 to 65.6	°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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