

LNP™ VERTON™ MV008SU compound

Polypropylene
SABIC Innovative Plastics

Message:

LNP VERTON* MV008SU is a compound based on Polypropylene resin containing Long Glass. Added features of this material include: Chemically Coupled.

Also known as: LNP* VERTON* Compound MFX-7008 HS UV

Product reorder name: MV008SU

General Information			
Filler / Reinforcement	Long glass fiber		
Features	Chemical coupling		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.23	g/cm ³	ASTM D792
--	1.22	g/cm ³	ISO 1183
Molding Shrinkage			
Flow: 24 hours	0.10	%	ASTM D955
Transverse flow: 24 hours	0.30	%	ASTM D955
Vertical flow direction: 24 hours	0.32	%	ISO 294-4
Flow direction: 24 hours	0.080	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	9560	MPa	ASTM D638
--	10100	MPa	ISO 527-2/1
Tensile Strength			
Fracture	119	MPa	ASTM D638
Fracture	127	MPa	ISO 527-2
Tensile Elongation			
Fracture	2.6	%	ASTM D638
Fracture	2.5	%	ISO 527-2
Flexural Modulus			
--	7800	MPa	ASTM D790
--	8260	MPa	ISO 178
Flexural Strength			
--	180	MPa	ASTM D790
--	187	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	210	J/m	ASTM D256

23°C ²	25	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	50	kJ/m ²	ISO 180/1U
Instrumented Dart Impact			
23°C, Energy at Peak Load	10.0	J	ASTM D3763
--	10.0	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, unannealed, 64.0mm span ⁴	164	°C	ISO 75-2/Bf
1.8 MPa, unannealed, 3.20mm	157	°C	ASTM D648
1.8 MPa, unannealed, 64.0mm span ⁵	160	°C	ISO 75-2/Af
Linear thermal expansion coefficient			ASTM E831, ISO 11359-2
Flow: -40 to 40°C	4.6E-5	cm/cm/°C	ASTM E831, ISO 11359-2
Lateral: -40 to 40°C	8.3E-5	cm/cm/°C	ASTM E831, ISO 11359-2
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Rear Temperature	232 - 243	°C	
Middle Temperature	243 - 254	°C	
Front Temperature	249 - 260	°C	
Processing (Melt) Temp	221 - 249	°C	
Mold Temperature	37.8 - 65.6	°C	
Back Pressure	0.172 - 0.344	MPa	
Screw Speed	30 - 60	rpm	
NOTE			
1.	50 mm/min		
2.	80*10*4		
3.	80*10*4		
4.	80*10*4 mm		
5.	80*10*4 mm		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT