

LNP™ VERTON™ MV006S compound

Polypropylene
SABIC Innovative Plastics

Message:

LNP VERTON* MV006S 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-7006 HS
Product reorder name: MV006S

General Information			
UL YellowCard	E45329-101358095		
Filler / Reinforcement	Long glass fiber		
Features	Chemical coupling		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density			
--	1.12	g/cm³	ISO 1183
--	1.13	g/cm³	ASTM D792
Molding Shrinkage			
Flow: 24 hours	0.30	%	ASTM D955
Transverse flow: 24 hours	0.60	%	ASTM D955
Vertical flow direction: 24 hours	0.59	%	ISO 294-4
Flow direction: 24 hours	0.27	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7810	MPa	ISO 527-2/1
Tensile Strength			
Fracture	103	MPa	ASTM D638
Fracture	105	MPa	ISO 527-2
Tensile Elongation (Break)	2.6	%	ASTM D638, ISO 527-2
Flexural Modulus			
--	6030	MPa	ASTM D790
--	6450	MPa	ISO 178
Flexural Strength			
--	150	MPa	ASTM D790
--	153	MPa	ISO 178
Coefficient of Friction			
With self-dynamics	0.36		ASTM D3702 Modified
With Self-Static	0.39		ASTM D3702 Modified
Wear Factor - Washer	44.0	10^-10 in^5-min/ft-lb-hr	ASTM D3702 Modified
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			

23°C	160	J/m	ASTM D256
23°C ¹	19	kJ/m ²	ISO 180/1A
Unnotched Izod Impact			
23°C	770	J/m	ASTM D4812
23°C ²	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 ³ (1.8 MPa, Unannealed, 64.0 mm Span)	158	°C	ISO 75-2/Af
Linear thermal expansion coefficient			ASTM E831
Flow: -40 to 40°C	1.8E-5	cm/cm/°C	ASTM E831
Lateral: -40 to 40°C	4.5E-5	cm/cm/°C	ASTM E831
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.	80*10*4		
2.	80*10*4		
3.	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