

LNP™ VERTON™ NV008E compound

Polycarbonate + ABS

SABIC Innovative Plastics

Message:

LNP VERTON NV008E is a compound based on PC+ABS resin containing 40% Long Glass Fiber. Added features of this material include: Easy Molding. Structural.

Also known as: LNP* VERTON* Compound PCA-F-7008 EM

Product reorder name: NV008E

General Information			
Filler / Reinforcement	Long Glass Fiber,40% Filler by Weight		
Features	Good Moldability		
Uses	Structural Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.49	g/cm ³	ASTM D792
--	1.50	g/cm ³	ISO 1183
Molding Shrinkage			
Across Flow : 24 hr	0.30	%	ASTM D955
Across Flow : 24 hr	0.27	%	ISO 294-4
Flow : 24 hr	0.050	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	20300	MPa	ASTM D638
--	12400	MPa	ISO 527-2/1
Tensile Strength			
Yield	147	MPa	ASTM D638
Yield	156	MPa	ISO 527-2
Break	147	MPa	ASTM D638
Break	156	MPa	ISO 527-2
Tensile Elongation			
Yield	1.4	%	ASTM D638
Yield	1.3	%	ISO 527-2
Break	1.4	%	ASTM D638
Break	1.3	%	ISO 527-2
Flexural Modulus			
--	11000	MPa	ASTM D790
--	11700	MPa	ISO 178
Flexural Strength			
--	214	MPa	ASTM D790

--	224	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
-40°C	320	J/m	ASTM D256
23°C	300	J/m	ASTM D256
-40°C ²	34	kJ/m ²	ISO 180/1A
23°C ³	28	kJ/m ²	ISO 180/1A
Unnotched Izod Impact			
23°C	740	J/m	ASTM D4812
23°C ⁴	50	kJ/m ²	ISO 180/1U
Instrumented Dart Impact (23°C, Energy at Peak Load)	14.1	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵ (1.8 MPa, Unannealed, 64.0 mm Span)	131	°C	ISO 75-2/Af
CLTE			
Flow : -40 to 40°C	2.0E-5	cm/cm/°C	ASTM E831
Flow : -40 to 40°C	2.1E-5	cm/cm/°C	ISO 11359-2
Transverse : -40 to 40°C	4.3E-5	cm/cm/°C	ASTM E831
Transverse : -40 to 40°C	4.5E-5	cm/cm/°C	ISO 11359-2
Injection	Nominal Value	Unit	
Drying Temperature	82.2 to 93.3	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.040	%	
Rear Temperature	260 to 271	°C	
Middle Temperature	271 to 282	°C	
Front Temperature	282 to 293	°C	
Processing (Melt) Temp	277 to 288	°C	
Mold Temperature	60.0 to 93.3	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	
NOTE			
1.	50 mm/min		
2.	80*10*4		
3.	80*10*4		
4.	80*10*4		
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

