

LNP™ VERTON™ NV003E compound

Polycarbonate + ABS

SABIC Innovative Plastics

Message:

LNP VERTON NV003E is a compound based on PC+ABS Blend resin containing 15% Long Glass Fiber. Added features of this material include: Easy Molding, Structural.

Also known as: LNP* VERTON* Compound PCA-F-7003 EM

Product reorder name: NV003E

General Information			
Filler / Reinforcement	Long Glass Fiber,15% Filler by Weight		
Features	Good Moldability		
Uses	Structural Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5770	MPa	ISO 527-2/1
Tensile Stress (Break)	112	MPa	ISO 527-2
Tensile Strain (Break)	2.5	%	ISO 527-2
Flexural Modulus	5680	MPa	ISO 178
Flexural Stress	162	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ¹			ISO 180/1A
-40°C	23	kJ/m ²	
23°C	21	kJ/m ²	
Instrumented Dart Impact (23°C, Energy at Peak Load)	18.5	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ² (1.8 MPa, Unannealed, 64.0 mm Span)	136	°C	ISO 75-2/Af
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

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| 1. | 80*10*4 |
| 2. | 80*10*4 mm |

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Recommended distributors for this material

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