

LNPT[™] VERTON[™] COMPOUND WV006

WF-7006

DESCRIPTION

LNP VERTON WV006 is a compound based on Polybutylene Terephthalate (PBT) resin containing 30% long glass fiber. Added feature of this grade is Structural.

GENERAL INFORMATION

Features	High stiffness/Strength, No PFAS intentionally added
Fillers	Glass Fiber
Polymer Types	Polybutylene Terephthalate (PBT)
Processing Techniques	Injection Molding

INDUSTRY

Automotive
Building and Construction
Consumer
Industrial

SUB INDUSTRY

Automotive Exteriors
Building Component
Sport/Leisure, Home Appliances, Commercial Appliance
Electrical, Industrial General

TYPICAL PROPERTY VALUES

Revision 20231109

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL ⁽¹⁾			
Tensile Stress, break	187	MPa	ISO 527
Tensile Strain, break	2	%	ISO 527
Tensile Modulus, 1 mm/min	11570	MPa	ISO 527
Flexural Stress	247	MPa	ISO 178
Flexural Modulus	9780	MPa	ISO 178
IMPACT ⁽¹⁾			
Izod Impact, unnotched 80*10*4 +23°C	56	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	30	kJ/m ²	ISO 180/1A
Izod Impact, notched 80*10*4 -40°C	36	kJ/m ²	ISO 180/1A
THERMAL ⁽¹⁾			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	225	°C	ISO 75/Af
PHYSICAL ⁽¹⁾			
Density	1.54	g/cm ³	ISO 1183
INJECTION MOLDING ⁽²⁾			
Drying Temperature	120	°C	
Drying Time	4	Hrs	
Maximum Moisture Content	0.05	%	
Melt Temperature	250 – 260	°C	
Front - Zone 3 Temperature	250 – 260	°C	
Middle - Zone 2 Temperature	240 – 250	°C	

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CHEMISTRY THAT MATTERS[™]



PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Rear - Zone 1 Temperature	230 – 245	°C	
Mold Temperature	65 – 120	°C	
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 70	rpm	

- (1) The information stated on Technical Datasheets should be used as indicative only for material selection purposes and not be utilized as specification or used for part or tool design.
- (2) Injection Molding parameters are only mentioned as general guidelines. These may not apply or may need adjustment in specific situations such as low shot sizes, large part molding, thin wall molding and gas-assist molding.

ADDITIONAL PRODUCT NOTES

No PFAS intentionally added: The grade listed in this document does not contain PFAS intentionally added during Seller's manufacturing process and is not expected to contain unintentional PFAS impurities. Each user is responsible for evaluating the presence of unintentional PFAS impurities.

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