

## LNP\* Verton\* Compound WV007S

Americas: COMMERCIAL

Also known as: WF-7007 HS  
Product Reorder Name: WV007S

LNP\* Verton\* WV007S is a compound based on Polybutylene Terephthalate resin containing Long Glass Fiber. Added features of this material include: Heat Stabilized.

### Property

TYPICAL PROPERTIES <sup>(1)</sup>			
MECHANICAL	Value	Unit	Standard
Tensile Stress, break	145	MPa	ASTM D 638
Tensile Strain, break	1.4	%	ASTM D 638
Tensile Modulus, 50 mm/min	14000	MPa	ASTM D 638
Flexural Stress	213	MPa	ASTM D 790
Flexural Modulus	10390	MPa	ASTM D 790
Tensile Stress, break	141	MPa	ISO 527
Tensile Strain, break	1.4	%	ISO 527
Tensile Modulus, 1 mm/min	13440	MPa	ISO 527
Flexural Stress	210	MPa	ISO 178
Flexural Modulus	11240	MPa	ISO 178
IMPACT	Value	Unit	Standard
Izod Impact, unnotched, 23°C	694	J/m	ASTM D 4812
Izod Impact, notched, 23°C	277	J/m	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	11	J	ASTM D 3763
Multiaxial Impact	9	J	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	11	kJ/m <sup>2</sup>	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	27	kJ/m <sup>2</sup>	ISO 180/1A
THERMAL	Value	Unit	Standard
HDT, 1.82 MPa, 3.2mm, unannealed	222	°C	ASTM D 648
CTE, -40°C to 40°C, flow	3.6E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	6.48E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, flow	3.62E-05	1/°C	ISO 11359-2
CTE, -40°C to 40°C, xflow	6.4E-05	1/°C	ISO 11359-2
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	231	°C	ISO 75/Af
PHYSICAL	Value	Unit	Standard
Density	1.59	g/cm <sup>3</sup>	ASTM D 792

Source GMD, last updated:02/27/2007

### Processing

THESE PROPERTY VALUES ARE NOT INTENDED FOR SPECIFICATION PURPOSES.

PLEASE CHECK WITH YOUR [\(LOCAL SALES OFFICE\)](#) FOR AVAILABILITY IN YOUR REGION

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

- (2) Only typical data for selection purposes. Not to be used for part or tool design.
- (3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.
- (4) Internal measurements according to UL standards.

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