

LNP* Verton* Compound WV00AS

Americas: COMMERCIAL

Also known as: WF-700-10 HS
Product Reorder Name: WV00AS

LNP* Verton* WV00AS is a compound based on Polybutylene Terephthalate resin containing Long Glass Fiber. Added features of this material include: Heat Stabilized.

Property

TYPICAL PROPERTIES ⁽¹⁾			
MECHANICAL	Value	Unit	Standard
Tensile Stress, break	154	MPa	ASTM D 638
Tensile Strain, break	1.1	%	ASTM D 638
Tensile Modulus, 50 mm/min	20240	MPa	ASTM D 638
Flexural Stress	227	MPa	ASTM D 790
Flexural Modulus	14400	MPa	ASTM D 790
Tensile Stress, break	163	MPa	ISO 527
Tensile Strain, break	1.1	%	ISO 527
Tensile Modulus, 1 mm/min	19770	MPa	ISO 527
Flexural Stress	236	MPa	ISO 178
Flexural Modulus	15670	MPa	ISO 178
IMPACT	Value	Unit	Standard
Izod Impact, unnotched, 23°C	854	J/m	ASTM D 4812
Instrumented Impact Energy @ peak, 23°C	13	J	ASTM D 3763
Multiaxial Impact	11	J	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	59	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	40	kJ/m ²	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	1.8E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	4.14E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, flow	1.85E-05	1/°C	ISO 11359-2
CTE, -40°C to 40°C, xflow	4.14E-05	1/°C	ISO 11359-2
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	225	°C	ISO 75/Af
PHYSICAL	Value	Unit	Standard
Density	1.7	g/cm ³	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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