

LNP* Verton* Compound MV00AS

Americas: COMMERCIAL

Also known as: MFX-700-10 HS
Product Reorder Name: MV00AS

LNP VERTON* MV00AS is a compound based on Polypropylene resin containing Long Glass. Added features of this material include: Chemically Coupled.

Property

TYPICAL PROPERTIES ⁽¹⁾			
MECHANICAL	Value	Unit	Standard
Tensile Stress, break	131	MPa	ASTM D 638
Tensile Strain, break	1.8	%	ASTM D 638
Tensile Modulus, 50 mm/min	10440	MPa	ASTM D 638
Flexural Stress	187	MPa	ASTM D 790
Flexural Modulus	9340	MPa	ASTM D 790
Tensile Stress, break	141	MPa	ISO 527
Tensile Strain, break	1.7	%	ISO 527
Tensile Modulus, 1 mm/min	13870	MPa	ISO 527
Flexural Stress	214	MPa	ISO 178
Flexural Modulus	11140	MPa	ISO 178
IMPACT	Value	Unit	Standard
Izod Impact, notched, 23°C	208	J/m	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	13	J	ASTM D 3763
Multiaxial Impact	13	J	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	66	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	29	kJ/m ²	ISO 180/1A
THERMAL	Value	Unit	Standard
HDT, 1.82 MPa, 3.2mm, unannealed	157	°C	ASTM D 648
CTE, -40°C to 40°C, flow	3.36E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	4.57E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, flow	3.37E-05	1/°C	ISO 11359-2
CTE, -40°C to 40°C, xflow	4.58E-05	1/°C	ISO 11359-2
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	164	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	160	°C	ISO 75/Af
PHYSICAL	Value	Unit	Standard
Density	1.33	g/cm ³	ASTM D 792
Wear Factor Washer	73	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D 3702 Modified
Dynamic COF	0.34	-	ASTM D 3702 Modified
Static COF	0.52	-	ASTM D 3702 Modified
Density	1.33	g/cm ³	ISO 1183

Source GMD, last updated:10/02/2004

Processing

Parameter	Value	Unit
Injection Molding		
Drying Temperature	80	°C

Drying Time	4	hrs
Melt Temperature	220 - 250	°C
Front - Zone 3 Temperature	250 - 260	°C
Middle - Zone 2 Temperature	245 - 255	°C
Rear - Zone 1 Temperature	230 - 245	°C
Mold Temperature	40 - 65	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm

Source GMD, last updated:10/02/2004

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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