

## LNP\* Verton\* Compound MX02795

Americas: COMMERCIAL

Also known as: PDX-M-02795  
Product Reorder Name: MX02795

LNP\* Verton\* MX02795 is a compound based on Polypropylene resin containing Long Glass Fiber. Added features of this material include: Chemically Coupled, Heat Stabilized, UV Stabilized.

### Property

TYPICAL PROPERTIES <sup>(1)</sup>			
MECHANICAL	Value	Unit	Standard
Tensile Stress, yield	117	MPa	ASTM D 638
Tensile Stress, break	117	MPa	ASTM D 638
Tensile Strain, yield	2.2	%	ASTM D 638
Tensile Strain, break	2.2	%	ASTM D 638
Tensile Modulus, 50 mm/min	8960	MPa	ASTM D 638
Flexural Stress	158	MPa	ASTM D 790
Flexural Modulus	6890	MPa	ASTM D 790
Tensile Stress, yield	111	MPa	ISO 527
Tensile Stress, break	122	MPa	ISO 527
Tensile Strain, yield	2.1	%	ISO 527
Tensile Strain, break	2.1	%	ISO 527
Tensile Modulus, 1 mm/min	9570	MPa	ISO 527
Flexural Stress	184	MPa	ISO 178
Flexural Modulus	7750	MPa	ISO 178
IMPACT	Value	Unit	Standard
Izod Impact, unnotched, 23°C	854	J/m	ASTM D 4812
Izod Impact, notched, 23°C	267	J/m	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	7	J	ASTM D 3763
Multiaxial Impact	13	J	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	52	kJ/m <sup>2</sup>	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	25	kJ/m <sup>2</sup>	ISO 180/1A
THERMAL	Value	Unit	Standard
HDT, 0.45 MPa, 3.2 mm, unannealed	161	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	156	°C	ASTM D 648
CTE, -40°C to 40°C, flow	4.46E-05	1/°C	ISO 11359-2
CTE, -40°C to 40°C, xflow	9.34E-05	1/°C	ISO 11359-2
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	162	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	158	°C	ISO 75/Af
PHYSICAL	Value	Unit	Standard
Density	1.21	g/cm <sup>3</sup>	ASTM D 792

Source GMD, last updated:05/12/2007

### 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:05/12/2007

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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