

## LNP Verton™ MFX-7008 HS Polypropylene, Long Glass Fiber Reinforcement (Unverified Data\*\*)

Categories: [Polymer](#); [Thermoplastic](#); [Polypropylene \(PP\)](#)

- Material Notes:**
- Features: Heat Stabilized, Chemically Coupled
  - Forms: Pellets
  - Processing Method: Injection Molding

Information provided by LNP, a GE Plastics Company.

This data sheet is labeled Discontinued; however many LNP grades are still active under new names instituted after the SABIC purchase.

**Vendors:** No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Specific Gravity	<a href="#">1.23</a> g/cc	<a href="#">1.23</a> g/cc	Method A; ASTM D792
Linear Mold Shrinkage	<a href="#">0.0010</a> cm/cm	<a href="#">0.0010</a> in/in	ASTM D955
Linear Mold Shrinkage, Transverse	<a href="#">0.0030</a> cm/cm	<a href="#">0.0030</a> in/in	ASTM D955
Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<a href="#">119</a> MPa	<a href="#">17300</a> psi	ASTM D638
Elongation at Break	<a href="#">2.6</a> %	<a href="#">2.6</a> %	ASTM D638
Tensile Modulus	<a href="#">9.56</a> GPa	<a href="#">1390</a> ksi	ASTM D638
Flexural Strength	<a href="#">179</a> MPa	<a href="#">26000</a> psi	ASTM D790
Flexural Modulus	<a href="#">7.80</a> GPa	<a href="#">1130</a> ksi	ASTM D790
Izod Impact, Notched	<a href="#">2.08</a> J/cm @Thickness 3.18 mm	<a href="#">3.90</a> ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Notched (ISO)	<a href="#">25.0</a> kJ/m <sup>2</sup>	<a href="#">11.9</a> ft-lb/in <sup>2</sup>	ISO 180
Izod Impact, Unnotched (ISO)	<a href="#">50.0</a> kJ/m <sup>2</sup>	<a href="#">23.8</a> ft-lb/in <sup>2</sup>	ISO 180
Falling Dart Impact	<a href="#">10.0</a> J	<a href="#">7.38</a> ft-lb	ASTM D3763
Instrumented Impact Total Energy	<a href="#">10.0</a> J	<a href="#">7.38</a> ft-lb	Multi-Axial Instrumented Impact Energy; ISO 6603-2
Thermal Properties	Metric	English	Comments
CTE, linear	<a href="#">45.0</a> µm/m-°C @Temperature 20.0 °C	<a href="#">25.0</a> µin/in-°F @Temperature 68.0 °F	TMA; ASTM E831
CTE, linear, Transverse to Flow	<a href="#">81.0</a> µm/m-°C @Temperature 20.0 °C	<a href="#">45.0</a> µin/in-°F @Temperature 68.0 °F	TMA; ASTM E831
Deflection Temperature at 0.46 MPa (66 psi)	<a href="#">164</a> °C	<a href="#">327</a> °F	Unannealed; ISO 75B-1, -2
Deflection Temperature at 1.8 MPa (264 psi)	<a href="#">157</a> °C	<a href="#">315</a> °F	Unannealed; ASTM D648
Processing Properties	Metric	English	Comments
Melt Temperature	<a href="#">218 - 243</a> °C	<a href="#">424 - 469</a> °F	
Mold Temperature	<a href="#">37.8 - 48.9</a> °C	<a href="#">100 - 120</a> °F	
Drying Temperature	<a href="#">82.2</a> °C	<a href="#">180</a> °F	
Dry Time	<a href="#">4</a> hour	<a href="#">4</a> hour	
Back Pressure	<a href="#">0.172 - 0.345</a> MPa	<a href="#">24.9 - 50.0</a> psi	

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