

**Product Texts**

long fiber reinforced

**Mechanical properties**

	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Modulus	<b>37020</b>	MPa	ASTM D 638
Tensile Strength	<b>290</b>	MPa	ASTM D 638
Elongation at Yield	<b>1.5</b>	%	ASTM D 638
Flexural Modulus	<b>27580</b>	MPa	ASTM D 790
Flexural Strength	<b>462</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>294</b>	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	<b>801</b>	J/m	ASTM D 256

**Thermal properties**

	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
DTUL @ 264 psi	<b>113</b>	°C	ASTM D 648

**Other properties**

	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1430</b>	kg/m <sup>3</sup>	ASTM D 792

**Processing Recommendation Injection Molding**

	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>88</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>216 - 238</b>	°C	-
Mold temperature	<b>88</b>	°C	-
Zone 1	<b>204 - 227</b>	°C	-
Zone 2	<b>210 - 232</b>	°C	-
Zone 3	<b>216 - 238</b>	°C	-
Nozzle temperature	<b>211 - 243</b>	°C	-
Screw speed	<b>30 - 50</b>	rpm	-
Injection speed	<b>51 - 76</b>	mm/s	-
Back pressure	<b>0.17 - 0.35</b>	MPa	-

**Characteristics**

**Processing**

Injection Molding

**Features**

Long fiber reinforced

**Delivery form**

Pellets

**Regional Availability**

North America, Europe, Asia Pacific