

**Product Texts**

long fiber reinforced

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Modulus	<b>17240</b>	MPa	ASTM D 638
Tensile Strength	<b>265</b>	MPa	ASTM D 638
Elongation at Yield	<b>1.5</b>	%	ASTM D 638
Flexural Modulus	<b>16550</b>	MPa	ASTM D 790
Flexural Strength	<b>369</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>432</b>	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	<b>1440</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
DTUL @ 264 psi	<b>254</b>	°C	ASTM D 648

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1600</b>	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>85</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Processing humidity	<b>≤0.18</b>	%	-
Melt temperature	<b>293 - 310</b>	°C	-
Mold temperature	<b>93</b>	°C	-
Zone 1	<b>282 - 299</b>	°C	-
Zone 2	<b>288 - 305</b>	°C	-
Zone 3	<b>293 - 310</b>	°C	-
Nozzle temperature	<b>288 - 305</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