

Product Texts

long fiber reinforced

Mechanical properties

	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	26540	MPa	ASTM D 638
Tensile Strength	214	MPa	ASTM D 638
Elongation at Yield	1	%	ASTM D 638
Flexural Modulus	22060	MPa	ASTM D 790
Flexural Strength	300	MPa	ASTM D 790
Izod Impact notched, 1/8 in	160	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	507	J/m	ASTM D 256

Thermal properties

	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	210	°C	ASTM D 648

Other properties

	Value	Unit	Test Standard
Density	1480	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding

	Value	Unit	Test Standard
Pre-drying - Temperature	149	°C	-
Pre-drying - Time	6	h	-
Processing humidity	≤0.04	%	-
Melt temperature	377 - 388	°C	-
Mold temperature	163 - 193	°C	-
Zone 1	349 - 366	°C	-
Zone 2	360 - 377	°C	-
Zone 3	366 - 382	°C	-
Nozzle temperature	371 - 388	°C	-
Screw speed	30 - 50	rpm	-
Injection speed	51 - 76	mm/s	-
Back pressure	0.17 - 0.35	MPa	-

Characteristics

Processing

Injection Molding

Features

Long fiber reinforced

Delivery form

Pellets

Regional Availability

North America, Europe, Asia Pacific