

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	<b>6830</b>	MPa	ASTM D 638
Tensile Strength	<b>113</b>	MPa	ASTM D 638
Elongation at Break	<b>3.3</b>	%	ASTM D 638
Compressive Modulus	<b>5310</b>	MPa	ASTM D 695
Compressive Strength	<b>166</b>	MPa	ASTM D 695
Flexural Modulus	<b>6890</b>	MPa	ASTM D 790
Flexural Strength	<b>215</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>64</b>	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	<b>410</b>	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Coefficient of Thermal Expansion, MD	<b>25</b>	E-6/K	ASTM D 696
DTUL @ 264 psi	<b>279</b>	°C	ASTM D 648
Thermal Conductivity, solid state	<b>0.0764</b>	W/(m K)	ASTM C 177

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Surface Resistivity	<b>&gt;1E15</b>	Ohm	ASTM D 257
Volume Resistivity	<b>&gt;1E15</b>	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	<b>0.28</b>	%	ASTM D 570
Density	<b>1460</b>	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>177</b>	°C	-
Pre-drying - Time	<b>3</b>	h	-
Processing humidity	<b>≤0.05</b>	%	-
Mold temperature	<b>199 - 216</b>	°C	-
Zone 1	<b>304</b>	°C	-
Nozzle temperature	<b>371</b>	°C	-
Screw speed	<b>50 - 100</b>	rpm	-
Back pressure	<b>6.89</b>	MPa	-

## Characteristics

### Processing

Injection Molding, Profile Extrusion

### Additives

Lubricants

### Special Characteristics

Flame retardant, Heat stabilized or stable to heat

### Features

Creep Resistance, Tribologic Grade

### Chemical Resistance

General Chemical Resistance

### Applications

Aircraft and Aerospace, Automotive

### Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa