

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.0125	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Yield	78.5	MPa	ASTM D 638
Elongation at Break	30	%	ASTM D 638
Flexural Modulus	3041	MPa	ASTM D 790
Flexural Strength	113	MPa	ASTM D 790
Rockwell Hardness	R 120	-	ASTM D 785
Izod Impact notched, 1/8 in	47.1	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.8	mm	-
Coefficient of Thermal Expansion, MD	70	E-6/K	ASTM D 696
DTUL @ 66 psi	240	°C	ASTM D 648
DTUL @ 264 psi	85	°C	ASTM D 648
Melting Temperature	260	°C	ASTM D 3418
<b>Electrical properties</b>			
<b>ASTM Data</b>			
Dielectric Strength, Short Time	22	kV/mm	ASTM D 149
Dielectric Constant, 1 MHz	3	-	ASTM D 150
Volume Resistivity	1E16	Ohm*cm	ASTM D 257
<b>Other properties</b>			
Water Absorption, 24hr	1.3	%	ASTM D 570
Density	1140	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	80 - 100	°C	-
Pre-drying - Time	4 - 5	h	-
Processing humidity	≤0.1	%	-
Melt temperature	260 - 280	°C	-
Mold temperature	60 - 90	°C	-
Zone 1	255 - 270	°C	-
Zone 2	260 - 275	°C	-
Zone 3	260 - 275	°C	-
Nozzle temperature	270 - 280	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	30 - 60	MPa	-

## Characteristics

### Processing

Injection Molding

### Special Characteristics

Flame retardant, Halogen-free

### Applications

Electrical and Electronical

### Regional Availability

North America, Europe, Asia Pacific, South and Central America