

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Strength	170	MPa	ISO 527
Flexural modulus, 23°C	9500	MPa	ISO 178
Charpy notched impact strength, +23°C	10	kJ/m <sup>2</sup>	ISO 179/1eA
<b>ASTM Data</b>			
Tensile Strength	172	MPa	ASTM D 638
Flexural Modulus	8336	MPa	ASTM D 790
Flexural Strength	275	MPa	ASTM D 790
Rockwell Hardness	R 120	-	ASTM D 785
Izod Impact notched, 1/8 in	78	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	255	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	245	°C	ISO 75-1/-2
<b>ASTM Data</b>			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.8	mm	-
Coefficient of Thermal Expansion, MD	20	E-6/K	ASTM D 696
DTUL @ 66 psi	250	°C	ASTM D 648
DTUL @ 264 psi	240	°C	ASTM D 648
Melting Temperature	255	°C	ASTM D 3418
<b>Electrical properties</b>			
<b>ASTM Data</b>			
Dielectric Strength, Short Time	20	kV/mm	ASTM D 149
Dielectric Constant, 1 MHz	3.6	-	ASTM D 150
Arc Resistance	130	s	ASTM D 495
<b>Other properties</b>			
Density	1600	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	0.9	%	ASTM D 570
Density	1550	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	≤0.05	%	-
Mold temperature	60 - 80	°C	-
Zone 1	260	°C	-
Zone 2	275	°C	-
Zone 3	275	°C	-
Nozzle temperature	280	°C	-

## Characteristics

### Processing

Injection Molding

### Regional Availability

North America, Asia Pacific

### Special Characteristics

Flame retardant