

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.004	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.008	mm/mm	ASTM D 955

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	12000 / -	MPa	ISO 527
Stress at break	210 / -	MPa	ISO 527
Strain at break	2.5 / -	%	ISO 527
Flexural modulus, 23°C	10700 / -	MPa	ISO 178
Charpy impact strength, +23°C	79 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	9 / -	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	68 / -	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	9.2 / -	kJ/m <sup>2</sup>	ISO 180/1A

Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	327 / *	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	95 / *	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	300 / *	°C	ISO 75-1/-2
Burning behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	3.2 / *	mm	-

Electrical properties	dry / cond	Unit	Test Standard
<b>ASTM Data</b>			
Dielectric Strength, Short Time	19 / 19	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	0.006 / 0.02	-	ASTM D 150
Dissipation Factor, 1 MHz	0.015 / 0.019	-	ASTM D 150
Dielectric Constant, 60 Hz	4.1 / 4.3	-	ASTM D 150
Dielectric Constant, 1 MHz	3.75 / 3.4	-	ASTM D 150
Volume Resistivity	0 / 5E14	Ohm*cm	ASTM D 257

Other properties	dry / cond	Unit	Test Standard
Density	1450 / -	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	0.23	%	ASTM D 570

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.06	%	-
Melt temperature	330 - 345	°C	-
Mold temperature	65 - 95	°C	-
Zone 1	320 - 330	°C	-
Zone 2	320 - 330	°C	-
Zone 3	327 - 335	°C	-
Injection speed	75 - 100	mm/s	-

## Characteristics

### Processing

Injection Molding

### Delivery form

Pellets, Black, Natural Color

### Chemical Resistance

General Chemical Resistance

### Applications

Automotive, Electrical and Electronical

**Special Characteristics**

Heat stabilized or stable to heat

**Features**

Creep Resistance

**Regional Availability**

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