

**Product Texts**

Electrically Insulating, High Glycol Resistance.

**Processing/Physical Characteristics**

	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	2.0E-5	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0001	mm/mm	ASTM D 955

**Mechanical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	12100	MPa	ISO 527
Stress at break	164	MPa	ISO 527
Strain at break	1.9	%	ISO 527
Flexural modulus, 23°C	11600	MPa	ISO 178
Charpy impact strength, +23°C	39	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	7.4	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	29	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	8.5	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Modulus	12600	MPa	ASTM D 638
Tensile Strength at Break	182	MPa	ASTM D 638
Elongation at Break	1.8	%	ASTM D 638
Flexural Modulus	11200	MPa	ASTM D 790
Izod Impact notched, 1/8 in	69	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	490	J/m	ASTM D 256

**Thermal properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	326	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	297	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	314	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	15	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	66	E-6/K	ISO 11359-1/-2

**Electrical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Comparative tracking index	600	-	IEC 60112
<b>ASTM Data</b>			
Dielectric Strength, Short Time	29	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.015	-	ASTM D 150
Dielectric Constant, 1 MHz	4	-	ASTM D 150
Surface Resistivity	2.4E16	Ohm	ASTM D 257
Volume Resistivity	1.8E16	Ohm*cm	ASTM D 257

**Other properties**

	Value	Unit	Test Standard
Density	1480	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	0.14	%	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	331 - 352	°C	-
Mold temperature	180	°C	-
Zone 1	313 - 330	°C	-
Zone 2	313 - 330	°C	-
Zone 3	326 - 329	°C	-

**Characteristics**

**Processing**

Injection Molding

**Delivery form**

Pellets, Black

**Additives**

Lubricants, Release agent

**Special Characteristics**

Heat stabilized or stable to heat

**Features**

Creep Resistance

**Chemical Resistance**

General Chemical Resistance, Hydrolytically Stable

**Applications**

Aircraft and Aerospace, Automotive, Electrical and Electrical

**Regional Availability**

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