

**Product Texts**

Electrically Insulating, High Glycol Resistance.

**Processing/Physical Characteristics**

	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.009	mm/mm	ASTM D 955

**Mechanical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	18100	MPa	ISO 527
Stress at break	221	MPa	ISO 527
Strain at break	1.7	%	ISO 527
Flexural modulus, 23°C	17400	MPa	ISO 178
Izod impact strength, +23°C	42	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	11	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Modulus	19000	MPa	ASTM D 638
Tensile Strength at Break	245	MPa	ASTM D 638
Elongation at Break	2	%	ASTM D 638
Flexural Modulus	17600	MPa	ASTM D 790

**Thermal properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	324	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	297	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	13	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	57	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	16	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.012	-	ASTM D 150
Dielectric Constant, 1 MHz	4.5	-	ASTM D 150
Surface Resistivity	2.8E16	Ohm	ASTM D 257
Volume Resistivity	1.5E16	Ohm*cm	ASTM D 257

**Other properties**

	Value	Unit	Test Standard
Density	1650	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	0.12	%	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 - 339	°C	-

**Characteristics****Processing**

Injection Molding

**Features**

Creep Resistance

## Amodel® Supreme A-9950 HS BK 324

PPA-GF50

Syensqo

### Delivery form

Pellets, Black

### Additives

Lubricants, Release agent

### Special Characteristics

Heat stabilized or stable to heat

### Chemical Resistance

General Chemical Resistance, Hydrolytically Stable

### Applications

Aircraft and Aerospace, Automotive, Electrical and Electronical

### Regional Availability

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