

**Product Texts**

Electrically Insulating.

**Processing/Physical Characteristics**

	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.3 / *	%	ISO 294-4, 2577

**Mechanical properties**

	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	12000 / 11500	MPa	ISO 527
Stress at break	205 / 195	MPa	ISO 527
Strain at break	2 / 2	%	ISO 527
Flexural modulus, 23°C	11200 / 17100	MPa	ISO 178
Flexural strength	290 / -	MPa	ISO 178
Charpy impact strength, +23°C	65 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	12 / -	kJ/m <sup>2</sup>	ISO 179/1eA

**Thermal properties**

	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	285 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	300 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	25 / *	E-6/K	ISO 11359-1/-2

**Electrical properties**

	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Electric strength	35 / -	kV/mm	IEC 60243-1
Comparative tracking index	550 / -	-	IEC 60112
<b>ASTM Data</b>			
Surface Resistivity	* / 1E12	Ohm	ASTM D 257

**Other properties**

	dry / cond	Unit	Test Standard
Humidity absorption	1.4 / *	%	Sim. to ISO 62
Density	1550 / -	kg/m <sup>3</sup>	ISO 1183

**Processing Recommendation Injection Molding**

	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4 - 8	h	-
Processing humidity	≤0.03	%	-
Melt temperature	340	°C	-
Mold temperature	135 - 160	°C	-
Zone 1	330 - 340	°C	-
Zone 2	335	°C	-
Zone 3	335	°C	-
Nozzle temperature	335 - 340	°C	-

**Characteristics**

**Processing**

Injection Molding, Compression Molding

**Delivery form**

Pellets, Black

**Special Characteristics**

High impact or impact modified, Heat stabilized or stable to heat

**Features**

Creep Resistance, Fatigue Resistance, Long fiber reinforced, Low Warpage, Tribologic Grade

**Applications**

Aircraft and Aerospace, Automotive, Electrical and Electrical

**Regional Availability**

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