

**Product Texts**

Electrically Insulating.

**Processing/Physical Characteristics**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	1.7	%	ISO 294-4, 2577

**Mechanical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	10000	MPa	ISO 527
Stress at break	190	MPa	ISO 527
Strain at break	2.9	%	ISO 527
Flexural modulus, 23°C	9500	MPa	ISO 178
Flexural strength	230	MPa	ISO 178
Charpy impact strength, +23°C	100	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	45	kJ/m <sup>2</sup>	ISO 179/1eA

**Thermal properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	250	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	255	°C	ISO 75-1/-2

**Electrical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Electric strength	35	kV/mm	IEC 60243-1
Comparative tracking index	500	-	IEC 60112
<b>ASTM Data</b>			
Surface Resistivity	1E12	Ohm	ASTM D 257

**Other properties**

	Value	Unit	Test Standard
Humidity absorption	1.7	%	Sim. to ISO 62
Density	1330	kg/m <sup>3</sup>	ISO 1183

**Processing Recommendation Injection Molding**

	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	4 - 8	h	-
Processing humidity	≤0.1	%	-
Melt temperature	310	°C	-
Mold temperature	80 - 110	°C	-
Zone 1	290 - 300	°C	-
Zone 2	290 - 300	°C	-
Zone 3	290 - 300	°C	-
Nozzle temperature	295 - 305	°C	-

**Characteristics****Processing**

Injection Molding, Compression Molding

**Delivery form**

Pellets, Natural Color

**Special Characteristics**

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

**Features**

Creep Resistance, Fatigue Resistance, Long fiber reinforced, Low Warp

**Applications**

Aircraft and Aerospace, Automotive, Electrical and Electronical

**Regional Availability**

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