

**Product Texts**

Electrically Insulating.

<b>Processing/Physical Characteristics</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	0.2 / *	%	ISO 294-4, 2577

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	18500 / 18300	MPa	ISO 527
Stress at break	275 / 260	MPa	ISO 527
Strain at break	2 / 2	%	ISO 527
Flexural modulus, 23°C	17500 / -	MPa	ISO 178
Flexural strength	410 / -	MPa	ISO 178
Charpy impact strength, +23°C	95 / 85	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	95 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	35 / 35	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	35 / -	kJ/m <sup>2</sup>	ISO 179/1eA

<b>Thermal properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<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	20 / *	E-6/K	ISO 11359-1/-2

<b>Electrical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Electric strength	35 / -	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	IEC 60112
<b>ASTM Data</b>			
Surface Resistivity	* / 1E13	Ohm	ASTM D 257

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Humidity absorption	0.8 / *	%	Sim. to ISO 62
Density	1610 / -	kg/m <sup>3</sup>	ISO 1183

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4 - 8	h	-
Processing humidity	≤0.06	%	-
Melt temperature	345	°C	-
Mold temperature	135 - 160	°C	-
Zone 1	330 - 340	°C	-
Zone 2	340	°C	-
Zone 3	340	°C	-
Nozzle temperature	335 - 345	°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 Warpage

**Applications**

Aircraft and Aerospace, Automotive, Electrical and Electronical

**Regional Availability**

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