

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

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	15300	MPa	ISO 527
Stress at break	130	MPa	ISO 527
Strain at break	1.3	%	ISO 527
Flexural modulus, 23°C	14200	MPa	ISO 178
Flexural strength	180	MPa	ISO 178
Charpy impact strength, +23°C	29	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	2.1	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	24	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	2.2	kJ/m <sup>2</sup>	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	235	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	165	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	18	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Oxygen index	29	%	ISO 4589-1/-2

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	1E11	Ohm*m	IEC 62631-3-1
Surface resistivity	1E10	Ohm	IEC 62631-3-2
Electric strength	24	kV/mm	IEC 60243-1
Comparative tracking index	520	-	IEC 60112

Other properties	Value	Unit	Test Standard
Humidity absorption	2	%	Sim. to ISO 62
Density	1580	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	0.5 - 1.5	h	-
Melt temperature	280	°C	-
Mold temperature	120 - 140	°C	-
Zone 1	250 - 260	°C	-
Zone 2	260 - 290	°C	-

## Characteristics

### Processing

Injection Molding

### Delivery form

Pellets, Natural Color

### Features

Creep Resistance, High Gloss, Low Warpage

### Chemical Resistance

General Chemical Resistance

### Certifications

RoHS compliant

### Applications

Automotive, IT / Business Machine, Electrical and Electronical, General Purpose

### Regional Availability

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