

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	20000	MPa	ISO 527
Stress at break	280	MPa	ISO 527
Strain at break	1.9	%	ISO 527
Flexural modulus, 23°C	19000	MPa	ISO 178
Flexural strength	400	MPa	ISO 178
Charpy impact strength, +23°C	68	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	11	kJ/m <sup>2</sup>	ISO 179/1eA
<b>ASTM Data</b>			
Izod Impact notched, 1/8 in	110	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	850	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	237	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	230	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	15	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Yellow Card available	yes	-	-
Oxygen index	25	%	ISO 4589-1/-2

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Electric strength	31	kV/mm	IEC 60243-1
Comparative tracking index	570	-	IEC 60112
<b>Other Standards<sup>[5]</sup></b>			
Volume resistivity	1E11	Ohm*m	IEC 60093

S: These properties are reported by the producer according standards that are different to our defaults.

Other properties	Value	Unit	Test Standard
Density	1640	kg/m <sup>3</sup>	ISO 1183
Recycled resin content	50	%	-
<b>Other Standards<sup>[5]</sup></b>			
Water absorption	3.2	%	Producer Method
Humidity absorption	1.2	%	Producer Method

S: These properties are reported by the producer according standards that are different to our defaults.

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	-
Nozzle temperature	260 - 290	°C	-

## Characteristics

### Processing

Injection Molding

### Chemical Resistance

General Chemical Resistance

**Delivery form**

Pellets, Black

**Special Characteristics**

Sterilizable

**Features**

Creep Resistance, High Gloss

**Certifications**

Recycled Resin Content, RoHS compliant

**Applications**

Automotive, Electrical and Electronical, General Purpose, Medical, Sports Equipment

**Regional Availability**

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