

**Product Texts**

Limited resistance. Considerable dimensional changes, and possibly irreversible changes in properties after prolonged contact. Consultation advisable before use.

Please consider the information about the application of the materials.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	1.9	%	ISO 294-4, 2577
Molding shrinkage, normal	1.7	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	2800	MPa	ISO 527
Yield stress	80	MPa	ISO 527
Yield strain	4.6	%	ISO 527
Strain at break	34	%	ISO 527
Flexural modulus, 23°C	2700	MPa	ISO 178
Flexural strength	91	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	5.6	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	3.3	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	6.4	kJ/m <sup>2</sup>	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	260	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	68	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	193	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1140	kg/m <sup>3</sup>	ISO 1183

Material specific properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Viscosity number	138 <sup>[1]</sup>	cm <sup>3</sup> /g	ISO 307, 1157, 1628
1: VN at 0.5% in sulfuric acid, nominal			

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	8 - 12	h	-
Processing humidity	≤0.2	%	-
Melt temperature	280 - 295	°C	-
Mold temperature	50 - 90	°C	-
Zone 1	250 - 270	°C	-
Zone 2	270 - 290	°C	-
Zone 3	270 - 290	°C	-
Nozzle temperature	270 - 295	°C	-
Screw speed	75 - 180	rpm	-
Back pressure	0.5 - 3	MPa	-

**Characteristics**

**Processing**

Injection Molding

**Applications**

General Purpose

**Certifications**

RoHS compliant

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America