

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577
Thermal conductivity of melt	1.3	W/(m K)	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	19500	MPa	ISO 527
Stress at break	195	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus, 23°C	17000	MPa	ISO 178
Flexural strength	290	MPa	ISO 178
Charpy impact strength, +23°C	35	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	5	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	40	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	6	kJ/m <sup>2</sup>	ISO 180/1A
Shore D hardness	86	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	373	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	152	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	367	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	9	E-6/K	ISO 11359-1/-2

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	100000	Ohm*m	IEC 62631-3-1

Other properties	Value	Unit	Test Standard
Density	1440	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120 - 150	°C	-
Pre-drying - Time	3 - 5	h	-
Processing humidity	≤0.02	%	-
Mold temperature	190 - 215	°C	-
Feed temperature	≤100	°C	-
Zone 1	390	°C	-
Zone 2	395	°C	-
Zone 3	400	°C	-
Zone 4	405	°C	-
Nozzle temperature	410	°C	-

## Characteristics

### Processing

Injection Molding

### Delivery form

Pellets, Black

### Features

Tribologic Grade

### Chemical Resistance

General Chemical Resistance

### Regional Availability

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