

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, normal	0.5	%	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	1.8	%	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	35	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	85	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	343	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	143	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	343	°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	10000	Ohm*m	IEC 62631-3-1

Other properties	Value	Unit	Test Standard
Water absorption	0.3	%	Sim. to ISO 62
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	180 - 210	°C	-
Feed temperature	≤100	°C	-
Zone 1	370	°C	-
Zone 2	375	°C	-
Zone 3	380	°C	-
Zone 4	385	°C	-
Nozzle temperature	390	°C	-

**Characteristics**

**Processing**

Injection Molding

**Delivery form**

Pellets, Black

**Features**

Tribologic Grade

**Chemical Resistance**

General Chemical Resistance

**Certifications**

Food contact, Food approval FDA 21 CFR

**Regional Availability**

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