

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5	%	ISO 294-4, 2577
Thermal conductivity of melt	0.95	W/(m K)	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	28000	MPa	ISO 527
Stress at break	265	MPa	ISO 527
Strain at break	1.7	%	ISO 527
Flexural modulus, 23°C	24000	MPa	ISO 178
Flexural strength	380	MPa	ISO 178
Charpy impact strength, +23°C	45	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	7	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	50	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	10.5	kJ/m <sup>2</sup>	ISO 180/1A
Shore D hardness	87.5	-	ISO 7619-1
<b>Thermal properties</b>			
<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	336	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	5	E-6/K	ISO 11359-1/-2
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (1)	2	mm	-
<b>Other properties</b>			
Water absorption	0.3	%	Sim. to ISO 62
Density	1400	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
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	375	°C	-
Zone 2	380	°C	-
Zone 3	385	°C	-
Zone 4	390	°C	-
Nozzle temperature	395	°C	-

## Characteristics

### Processing

Injection Molding, Other Extrusion

### 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