

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)	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	25000	MPa	ISO 527
Stress at break	250	MPa	ISO 527
Strain at break	1.9	%	ISO 527
Flexural modulus, 23°C	21500	MPa	ISO 178
Flexural strength	370	MPa	ISO 178
Charpy impact strength, +23°C	60	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	10.5	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	60	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	12	kJ/m <sup>2</sup>	ISO 180/1A
Shore D hardness	87.5	-	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	333	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	6	E-6/K	ISO 11359-1/-2

Other properties	Value	Unit	Test Standard
Water absorption	0.3	%	Sim. to ISO 62
Density	1400	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	-
Mold temperature	180 - 210	°C	-
Feed temperature	≤100	°C	-
Zone 1	390	°C	-
Zone 2	400	°C	-
Zone 3	405	°C	-
Zone 4	410	°C	-
Nozzle temperature	415	°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