

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	19500 / 19500	MPa	ISO 527
Stress at break	280 / 260	MPa	ISO 527
Strain at break	1.9 / 2.2	%	ISO 527
Flexural modulus, 23°C	18500 / -	MPa	ISO 178
ASTM Data			
Izod Impact notched, 1/8 in	110 / -	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	850 / -	J/m	ASTM D 256

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	230 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	15 / *	E-6/K	ISO 11359-1/-2

Other properties	dry / cond	Unit	Test Standard
Density	1640 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	0.5 - 1.5	h	-
Melt temperature	280	°C	-
Mold temperature	120 - 140	°C	-
Zone 1	250 - 260	°C	-
Zone 2	260 - 290	°C	-
Nozzle temperature	260 - 290	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets, Black, Natural Color

Special Characteristics

Sterilizable

Features

Creep Resistance

Chemical Resistance

General Chemical Resistance

Certifications

Food contact, Food approval 10/2011, Food approval FDA 21 CFR

Applications

General Purpose, Medical

Regional Availability

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