

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2 / *	%	ISO 294-4, 2577
Mechanical properties			
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, 1/4 in	850 / -	J/m	ASTM D 256
Thermal properties			
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			
Density	1640 / -	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
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

Features

Creep Resistance

Chemical Resistance

General Chemical Resistance

Certifications

Food contact, Food approval 10/2011, Food approval FDA 21 CFR, Drinking water contact, Drinking water contact KTW, Drinking water contact NSF 61

Applications

General Purpose, Medical

Regional Availability

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