

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0016	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0046	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	19100	MPa	ISO 527
Stress at break	270	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus, 23°C	18400	MPa	ISO 178
Charpy impact strength, +23°C	88	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	12	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	300	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1670	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.06	%	-
Melt temperature	340 - 360	°C	-
Mold temperature	160	°C	-
Zone 1	315 - 330	°C	-
Zone 2	320 - 340	°C	-
Zone 3	325 - 345	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets, Black, Natural Color

Special Characteristics

Heat stabilized or stable to heat

Features

Creep Resistance

Chemical Resistance

General Chemical Resistance, Hydrolytically Stable

Certifications

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

Regional Availability

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