

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5	%	ISO 294-4, 2577
Thermal conductivity of melt	0.28	W/(m K)	-
ASTM Data			
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.005	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	105	MPa	ISO 527
Flexural modulus, 23°C	7000	MPa	ISO 178
Izod impact strength, +23°C	45	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	15	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Strength	110	MPa	ASTM D 638
Compressive Strength	103	MPa	ASTM D 695
Flexural Modulus	8274	MPa	ASTM D 790
Flexural Strength	172	MPa	ASTM D 790
Izod Impact notched, 1/8 in	160	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	801	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	255	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	20	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	120	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
DTUL @ 264 psi	254	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	21.7	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.015	-	ASTM D 150
Dielectric Constant, 1 MHz	3.4	-	ASTM D 150
Volume Resistivity	1E14	Ohm*cm	ASTM D 257
Arc Resistance	124	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Density	1460	kg/m ³	ISO 1183
Water Absorption, 24hr	0.1	%	ASTM D 570
Density	1460	kg/m ³	ASTM D 792

Characteristics

Delivery form

Pellets, Black

Features

Low Odor

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat

Regional Availability

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