

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0015	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0055	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Modulus	7800	MPa	ISO 527
Stress at break	110	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus, 23°C	7500	MPa	ISO 178
Flexural strength	160	MPa	ISO 178
Charpy impact strength, +23°C	27	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	8	kJ/m ²	ISO 179/1eA
ASTM Data			
Tensile Strength at Break	98	MPa	ASTM D 638
Elongation at Break	2	%	ASTM D 638
Flexural Modulus	7550	MPa	ASTM D 790
Flexural Strength	147	MPa	ASTM D 790
Izod Impact notched, 1/8 in	78	J/m	ASTM D 256
Izod Impact notched, 1/4 in	78	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	147	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	150	°C	ISO 75-1/-2
Vicat softening temperature, B	152	°C	ISO 306
Coeff. of linear therm. expansion, parallel	30	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	60	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-1	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	0.75	mm	-
Electrical properties			
ISO Data			
Volume resistivity	100	Ohm*m	IEC 62631-3-1
Surface resistivity	1000	Ohm	IEC 62631-3-2
ASTM Data			
Volume Resistivity	100000	Ohm*cm	ASTM D 257
Other properties			
Density	1290	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	>5	h	-
Melt temperature	290 - 320	°C	-
Mold temperature	80 - 120	°C	-

Characteristics

Processing

Injection Molding

Features

Creep Resistance

Delivery form

Pellets, Black

Regional Availability

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