

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
Molding shrinkage, normal	0.2	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	7700	MPa	ISO 527
Stress at break	105	MPa	ISO 527
Strain at break	2.5	%	ISO 527
Flexural modulus, 23°C	7500	MPa	ISO 178
Flexural strength	160	MPa	ISO 178
Charpy impact strength, +23°C	32	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	8	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	146	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	148	°C	ISO 75-1/-2
Vicat softening temperature, B	151	°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 thickness h	V-2	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Electrical properties			
ISO Data			
Volume resistivity	100	Ohm*m	IEC 62631-3-1
Surface resistivity	1000	Ohm	IEC 62631-3-2
Other properties			
Density	1230	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	5 - 8	h	-
Melt temperature	270 - 320	°C	-
Mold temperature	80 - 120	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets, Black

Special Characteristics

Flame retardant, Phosphorus-free

Features

Creep Resistance

Regional Availability

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