

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	77	g/10min	ISO 1133
Temperature	380	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	10900	MPa	ISO 527
Tensile Strength	105	MPa	ISO 527
Strain at break	2.5	%	ISO 527
Charpy impact strength, +23°C	35	kJ/m ²	ISO 179/1eU

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	343	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	143	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	218	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	18	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	26	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Electric strength	17.5	kV/mm	IEC 60243-1
Comparative tracking index	225	-	IEC 60112
Other Standards^{S1}			
Volume resistivity	5.8E11	Ohm*m	IEC 61340-2-3
Surface resistivity	5.8E12	Ohm	IEC 61340-2-3

S: These properties are reported by the producer according standards that are different to our defaults.

Other properties	Value	Unit	Test Standard
Humidity absorption	0.1	%	Sim. to ISO 62
Density	1670	kg/m ³	ISO 1183
Bulk density	900	kg/m ³	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	150	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	390 - 400	°C	-
Mold temperature	160 - 210	°C	-
Zone 1	360 - 400	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets, Black

Applications

Electrical and Electronical, Medical

Regional Availability

North America, Europe, Asia Pacific, South and Central America

Features

Laser Markable