

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	86.7	g/10min	ISO 1133
Temperature	330	°C	-
Load	5	kg	-
Molding shrinkage, parallel	1.7	%	ISO 294-4, 2577
Molding shrinkage, normal	1.4	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	8300	MPa	ISO 527
Tensile Strength	77	MPa	ISO 527
Strain at break	1.6	%	ISO 527
Charpy impact strength, +23°C	14	kJ/m ²	ISO 179/1eU

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	300	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	120	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	237	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	43	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	47	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.2	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	550	-	IEC 60112
Other Standards^[5]			
Volume resistivity	3.6E15	Ohm*m	IEC 61340-2-3
Surface resistivity	2.35E15	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	1960	kg/m ³	ISO 1183
Bulk density	710	kg/m ³	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4 - 8	h	-
Processing humidity	≤0.1	%	-
Melt temperature	300 - 330	°C	-
Mold temperature	150 - 170	°C	-
Zone 1	320 - 340	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets, Black

Special Characteristics

Thermally Conductive

Features

Laser Markable

Applications

Automotive, Electrical and Electronical

Regional Availability

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