

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.3	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	11500	MPa	ISO 527
Tensile Strength	95	MPa	ISO 527
Strain at break	1.3	%	ISO 527
Charpy impact strength, +23°C	10	kJ/m ²	ISO 179/1eU

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	320	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	274	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	16	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	32	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	3.0	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	275	-	IEC 60112
Other Standards^[5]			
Volume resistivity	3.8E11	Ohm*m	IEC 61340-2-3
Surface resistivity	4.1E12	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	1730	kg/m ³	ISO 1183
Bulk density	600	kg/m ³	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	150	°C	-
Pre-drying - Time	3 - 5	h	-
Processing humidity	≤0.1	%	-
Melt temperature	320	°C	-
Mold temperature	160	°C	-
Zone 1	320	°C	-
Zone 2	325	°C	-
Zone 3	330	°C	-
Zone 4	340	°C	-
Nozzle temperature	350	°C	-
Injection pressure	150	MPa	-
Holding pressure	30 - 60	MPa	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets, Black

Applications

Automotive, Electrical and Electronical

Regional Availability

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