

Processing/Physical Characteristics	Value	Unit	Test Standard
Other Standards^{S1}			
Molding shrinkage, parallel	0.1	%	Producer Method
Molding shrinkage, normal	0.6	%	Producer Method

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

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	130	MPa	ISO 527
Nominal strain at break	2	%	ISO 527
Flexural modulus, 23°C	11300	MPa	ISO 178
Flexural strength	185	MPa	ISO 178
Charpy notched impact strength, +23°C	11	kJ/m ²	ISO 179/1eA
Rockwell hardness	M 75	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	147	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	19	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	44	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
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			
Electric strength	22	kV/mm	IEC 60243-1
ASTM Data			
Volume Resistivity	1E16	Ohm*cm	ASTM D 257
Other Standards^{S1}			
Relative permittivity, 1MHz	3.45	-	IEC 60250
Dissipation factor, 1MHz	90	E-4	IEC 60250

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Other properties	Value	Unit	Test Standard
Density	1510	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	5 - 8	h	-
Melt temperature	260 - 300	°C	-
Mold temperature	80 - 120	°C	-

Characteristics

Processing
Injection Molding

Special Characteristics
Flame retardant

Delivery form
Pellets, Black

Regional Availability
North America, Europe, Asia Pacific