

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	40 / *	cm ³ /10min	ISO 1133
Temperature	275 / *	°C	-
Load	5 / *	kg	-
^[C] Molding shrinkage, parallel	0.3 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.9 / *	%	ISO 294-4, 2577
^[C] Density of melt	1150	kg/m ³	-
^[C] Thermal conductivity of melt	0.27	W/(m K)	-
^[C] Spec. heat capacity of melt	2110	J/(kg K)	-
^[C] Eff. thermal diffusivity	1.4E-7	m ² /s	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	11000 / 7000	MPa	ISO 527
^[C] Stress at break	195 / 125	MPa	ISO 527
^[C] Strain at break	3.5 / 7	%	ISO 527
^[C] Charpy impact strength, +23°C	90 / 100	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	75 / 75	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	14 / 24	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	12 / 12	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	220 / *	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	210 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	220 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	20 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	60 / *	E-6/K	ISO 11359-1/-2
^[C] Burning Behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	-
Yellow Card available	yes / *	-	-
^[C] Burning Behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	3.0 / *	mm	-
Yellow Card available	yes / *	-	-

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Relative permittivity, 100Hz	4.8 / -	-	IEC 62631-2-1
^[C] Relative permittivity, 1MHz	4.3 / -	-	IEC 62631-2-1
^[C] Dissipation factor, 100Hz	170 / -	E-4	IEC 62631-2-1
^[C] Dissipation factor, 1MHz	220 / -	E-4	IEC 62631-2-1
^[C] Volume resistivity	1E12 / 1E10	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	* / 1E13	Ohm	IEC 62631-3-2
^[C] Electric strength	35 / 25	kV/mm	IEC 60243-1
^[C] Comparative tracking index	* / 500	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	5.9 / *	%	Sim. to ISO 62
^[C] Humidity absorption	1.8 / *	%	Sim. to ISO 62
^[C] Density	1400 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Regional Availability

Europe

Delivery form

Pellets

Other text information

Injection molding

[Injection Molding Recommendations](#)

[Steel recommendations for molds screws and barrels](#)

[Trouble shooting guideline for injection molding](#)