

Product Texts

20% glass bead reinforced PBT-grade.

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	15	cm ³ /10min	ISO 1133
Temperature	250	°C	-
Load	2.16	kg	-
ASTM Data			
Mold Shrinkage, MD	0.018	mm/mm	ASTM D 955

[C]: CAMPUS

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	3400	MPa	ISO 527
^[C] Stress at break	50	MPa	ISO 527
^[C] Strain at break	6	%	ISO 527
^[C] Charpy impact strength, +23°C	50	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	30	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	5	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	3.5	kJ/m ²	ISO 179/1eA
ASTM Data			
Tensile Strength at Break	48.3	MPa	ASTM D 638
Flexural Modulus	3447	MPa	ASTM D 790
Flexural Strength	86.2	MPa	ASTM D 790
Izod Impact notched, 1/8 in	42.7	J/m	ASTM D 256

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Thermal properties

	Value	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	94	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	175	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	184	°C	ISO 306
^[C] Burning Behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Yellow Card available	yes	-	-
^[C] Burning Behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.2	mm	-
Yellow Card available	yes	-	-
ASTM Data			
DTUL @ 66 psi	177	°C	ASTM D 648
DTUL @ 264 psi	110	°C	ASTM D 648

[C]: CAMPUS

Electrical properties

	Value	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	>1E15	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties

	Value	Unit	Test Standard
^[C] Density	1440	kg/m ³	ISO 1183
Density	1450	kg/m ³	ASTM D 792

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Regional Availability

North America, Europe, Asia Pacific, South and Central America,
Near East/Africa