

**Product Texts**

10% glass fibre reinforced PBT

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	30	cm <sup>3</sup> /10min	ISO 1133
Temperature	250	°C	-
Load	2.16	kg	-
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.008	mm/mm	ASTM D 955

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	4500	MPa	ISO 527
<sup>[C]</sup> Stress at break	90	MPa	ISO 527
<sup>[C]</sup> Strain at break	3.5	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	20	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	5	kJ/m <sup>2</sup>	ISO 179/1eA
<b>ASTM Data</b>			
Tensile Strength at Break	79.3	MPa	ASTM D 638
Flexural Modulus	4688	MPa	ASTM D 790
Flexural Strength	121	MPa	ASTM D 790
Izod Impact notched, 1/8 in	48	J/m	ASTM D 256

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	185	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	215	°C	ISO 75-1/-2
<sup>[C]</sup> Burning Behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-
<sup>[C]</sup> Burning Behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
Yellow Card available	yes	-	-
<b>ASTM Data</b>			
DTUL @ 66 psi	188	°C	ASTM D 648
DTUL @ 264 psi	177	°C	ASTM D 648

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
<sup>[C]</sup> Surface resistivity	>1E15	Ohm	IEC 62631-3-2
<sup>[C]</sup> Comparative tracking index	300	-	IEC 60112

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Density	1370	kg/m <sup>3</sup>	ISO 1183
Density	1380	kg/m <sup>3</sup>	ASTM D 792

[C]: CAMPUS

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>120</b>	°C	-
Pre-drying - Time	<b>2 - 4</b>	h	-
Melt temperature	<b>230 - 260</b>	°C	-
Mold temperature	<b>70 - 90</b>	°C	-

**Characteristics**

**Processing**

Injection Molding

**Additives**

Release agent

**Delivery form**

Granules

**Regional Availability**

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

**Other text information**

**Injection molding**

PREPROCESSING; **Pretreatment**

Predrying: 2-4 h / 120°C

PROCESSING ;**Processing:**

Melttemperature	230 - 260	°C
Mouldtemperature	70 - 90	°C