

**Product Texts**

- (PC+ABS)-Blend
- 15% glass fibre reinforced
- flame retardant
- Vicat/B 120 temperature = 100 °C
- UL recognition 94 V-0 at 1.5 mm and 5VA at 2 mm

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	23	cm <sup>3</sup> /10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
Molding shrinkage, normal	0.4	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	5300	MPa	ISO 527
<sup>[C]</sup> Stress at break	95	MPa	ISO 527
<sup>[C]</sup> Strain at break	3	%	ISO 527
Izod impact strength, +23°C	30	kJ/m <sup>2</sup>	ISO 180/1U

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	92	°C	ISO 75-1/-2
Vicat softening temperature, B	100	°C	ISO 306
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	40	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, normal	70	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Burning Behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-
<sup>[C]</sup> Burning Behav. 5V at thickness h	5VA	class	IEC 60695-11-20
Thickness tested	2.0	mm	-
Yellow Card available	yes	-	-

[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> Electric strength	35	kV/mm	IEC 60243-1
<sup>[C]</sup> Comparative tracking index	175	-	IEC 60112

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Water absorption	0.4	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	0.1	%	Sim. to ISO 62
<sup>[C]</sup> Density	1280	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

Test specimen production	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Injection Molding, melt temperature	260	°C	ISO 294
Injection Molding, mold temperature	80	°C	ISO 294
Injection Molding, injection velocity	240	mm/s	ISO 294

[C]: CAMPUS

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>80</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>240 - 270</b>	°C	-
Mold temperature	<b>60 - 90</b>	°C	-
Zone 1	<b>220 - 230</b>	°C	-
Zone 2	<b>225 - 235</b>	°C	-
Zone 3	<b>230 - 240</b>	°C	-
Nozzle temperature	<b>255 - 265</b>	°C	-
Back pressure	<b>5 - 15</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

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

**Special Characteristics**

Flame retardant, Halogen-free