

**Product Texts**

- (PC ABS)-Blend
- easy flowing
- Vicat/B 120 temperature = 103 °C
- UL recognition 94 V-0 at 1.5 mm
- no juicing
- good light stability

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	<b>20</b>	cm <sup>3</sup> /10min	ISO 1133
Temperature	<b>240</b>	°C	-
Load	<b>5</b>	kg	-
Molding shrinkage, parallel	<b>0.5</b>	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	<b>2650</b>	MPa	ISO 527
<sup>[C]</sup> Yield stress	<b>64</b>	MPa	ISO 527
<sup>[C]</sup> Yield strain	<b>3.9</b>	%	ISO 527
<sup>[C]</sup> Nominal strain at break	<b>40</b>	%	ISO 527
Izod notched impact strength, +23°C	<b>30</b>	kJ/m <sup>2</sup>	ISO 180/1A

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	<b>85</b>	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	<b>95</b>	°C	ISO 75-1/-2
Vicat softening temperature, B	<b>103</b>	°C	ISO 306
<sup>[C]</sup> Burning Behav. at 1.5 mm nom. thickn.	<b>V-0</b>	class	IEC 60695-11-10
Thickness tested	<b>1.5</b>	mm	-
Yellow Card available	<b>yes</b>	-	-
<sup>[C]</sup> Burning Behav. 5V at thickness h	<b>5VB</b>	class	IEC 60695-11-20
Thickness tested	<b>2.0</b>	mm	-
<sup>[C]</sup> Oxygen index	<b>34</b>	%	ISO 4589-1/-2

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Relative permittivity, 100Hz	<b>3</b>	-	IEC 62631-2-1
<sup>[C]</sup> Relative permittivity, 1MHz	<b>2.9</b>	-	IEC 62631-2-1
<sup>[C]</sup> Volume resistivity	<b>&gt;1E13</b>	Ohm*m	IEC 62631-3-1
<sup>[C]</sup> Surface resistivity	<b>&gt;1E15</b>	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Water absorption	<b>0.4</b>	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	<b>0.1</b>	%	Sim. to ISO 62
<sup>[C]</sup> Density	<b>1180</b>	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	<b>240</b>	°C	ISO 294
Injection Molding, mold temperature	<b>80</b>	°C	ISO 294
Injection Molding, injection velocity	<b>240</b>	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, Light stabilized or stable to light