

**Product Texts**

- (PC+ABS)-Blend
- 15 % mineral filled
- flame retardant
- Vicat/B 120 temperature = 98 °C
- high stiffness
- tensile modulus = 4800 MPa
  
- UL recognition 94 V-0 at 1.5 mm
- glow wire temperature (GWFI): 960 °C at 2.0 mm

Partially bio-circular grade / Attributed via mass balance (according to ISCC PLUS Standard).

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	13	cm <sup>3</sup> /10min	ISO 1133
Temperature	240	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.4	%	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	4800	MPa	ISO 527
<sup>[C]</sup> Yield stress	65	MPa	ISO 527
<sup>[C]</sup> Yield strain	3	%	ISO 527
Flexural modulus, 23°C	4700	MPa	ISO 178
Flexural strength	105	MPa	ISO 178
Izod notched impact strength, +23°C	6	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	85	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	92	°C	ISO 75-1/-2
<sup>[C]</sup> Vicat softening temperature, B	96	°C	ISO 306
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	46	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, normal	63	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. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	1.2	mm	-

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Relative permittivity, 100Hz	3.1	-	IEC 62631-2-1
<sup>[C]</sup> Relative permittivity, 1MHz	3	-	IEC 62631-2-1
<sup>[C]</sup> Dissipation factor, 100Hz	50	E-4	IEC 62631-2-1
<sup>[C]</sup> Dissipation factor, 1MHz	70	E-4	IEC 62631-2-1
<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	275	-	IEC 60112

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Water absorption	<b>0.5</b>	%	Sim. to ISO 62
<sup>[C]</sup> Humidity absorption	<b>0.2</b>	%	Sim. to ISO 62
<sup>[C]</sup> Density	<b>1280</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

Processing Recommendation Injection Molding	Value	Unit	Test Standard
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 - 80</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

**Special Characteristics**

Flame retardant

**Certifications**

Contains renewable resources, ISCC Plus

**Regional Availability**

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