

Product Texts

- ABS+PC-Blend
- Vicat/B 120 temperature = 112 °C
- for electroplating applications

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	12	cm ³ /10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.7	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2000	MPa	ISO 527
^[C] Yield stress	49	MPa	ISO 527
^[C] Yield strain	3.7	%	ISO 527
Izod impact strength, +23°C	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	40	kJ/m ²	ISO 180/1A
Izod notched impact strength	36	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	92	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	112	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	110	°C	ISO 306
^[C] Coeff. of linear therm. expansion, parallel	85	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	90	E-6/K	ISO 11359-1/-2
^[C] Burning Behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
^[C] Oxygen index	20	%	ISO 4589-1/-2

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Relative permittivity, 100Hz	3.1	-	IEC 62631-2-1
^[C] Relative permittivity, 1MHz	3	-	IEC 62631-2-1
^[C] Dissipation factor, 100Hz	35	E-4	IEC 62631-2-1
^[C] Dissipation factor, 1MHz	85	E-4	IEC 62631-2-1
^[C] Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	>1E15	Ohm	IEC 62631-3-2
^[C] Electric strength	35	kV/mm	IEC 60243-1
^[C] Comparative tracking index	275	-	IEC 60112

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Water absorption	0.7	%	Sim. to ISO 62
^[C] Humidity absorption	0.2	%	Sim. to ISO 62
^[C] Density	1100	kg/m ³	ISO 1183

[C]: CAMPUS

Test specimen production	Value	Unit	Test Standard
ISO Data			
^[C] 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

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	95 - 110	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	240 - 270	°C	-
Mold temperature	70 - 90	°C	-
Zone 1	220 - 230	°C	-
Zone 2	225 - 235	°C	-
Zone 3	230 - 240	°C	-
Nozzle temperature	255 - 265	°C	-
Back pressure	5 - 15	MPa	-

Characteristics

Processing

Injection Molding

Certifications

Contains renewable resources, ISCC Plus

Special Characteristics

Platable

Regional Availability

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