

Product Texts

- (PC ABS)-Blend
- flame retardant
- mineral filled
- Vicat/B 120 temperature = 102 °C
- UL recognition 94 V-0 at 1.2 mm
- low warpage
- improved stiffness and surface quality
- for notebooks and thinwall applications

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	27	cm ³ /10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-
^[C] Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.3	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	6300	MPa	ISO 527
^[C] Yield stress	59	MPa	ISO 527
^[C] Yield strain	2.8	%	ISO 527
^[C] Charpy impact strength, +23°C	50	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	45	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	6	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	4	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	40	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	6	kJ/m ²	ISO 180/1A
Izod notched impact strength	5	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-
^[C] Puncture - maximum force, +23°C	2600	N	ISO 6603-2
^[C] Puncture - maximum force, -30°C	1100	N	ISO 6603-2
^[C] Puncture energy, +23°C	13	J	ISO 6603-2
^[C] Puncture energy, -30°C	2	J	ISO 6603-2

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	90	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	96	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	100	°C	ISO 306
^[C] Burning Behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	1.2	mm	-
Yellow Card available	yes	-	-

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Water absorption	0.5	%	Sim. to ISO 62
^[C] Humidity absorption	0.2	%	Sim. to ISO 62
^[C] Density	1400	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
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[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	85	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	270 - 300	°C	-
Mold temperature	65 - 100	°C	-
Zone 1	240 - 260	°C	-
Zone 2	250 - 280	°C	-
Zone 3	270 - 300	°C	-
Nozzle temperature	270 - 300	°C	-
Back pressure	5 - 10	MPa	-

Characteristics

Processing

Injection Molding

Special Characteristics

Flame retardant, Halogen-free

Features

Low Warpage

Applications

IT / Business Machine

Regional Availability

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