

Product Texts

- (PC ABS)-Blend
- flame retardant
- Vicat/B 120 temperature = 115°C
- extrusion grade
- good extrusion and vacuum-forming behaviour
- UL recognition 94 V-0 at 1.5 mm
- halogen-free according to DIN VDE 0472,815
- glow wire temperature (GWFI): 960 °C at 1.0 mm

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	11	cm ³ /10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-

[C]: CAMPUS

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2650	MPa	ISO 527
^[C] Yield stress	69	MPa	ISO 527
^[C] Yield strain	5	%	ISO 527

[C]: CAMPUS

Thermal properties

	Value	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	98	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	106	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	113	°C	ISO 306
^[C] Coeff. of linear therm. expansion, parallel	68	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	72	E-6/K	ISO 11359-1/-2
^[C] Burning Behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
^[C] Burning Behav. 5V at thickness h	5VB	class	IEC 60695-11-20
Thickness tested	2.0	mm	-

[C]: CAMPUS

Electrical properties

	Value	Unit	Test Standard
ISO Data			
^[C] Relative permittivity, 100Hz	3.2	-	IEC 62631-2-1
^[C] Relative permittivity, 1MHz	3.1	-	IEC 62631-2-1
^[C] Dissipation factor, 100Hz	37	E-4	IEC 62631-2-1
^[C] Dissipation factor, 1MHz	75	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	350	-	IEC 60112

[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	1190	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

Characteristics**Processing**

Profile Extrusion, Sheet Extrusion, Other Extrusion, Calandering, Thermoforming

Delivery form

Pellets

Additives

Release agent

Special Characteristics

Flame retardant, Halogen-free

Regional Availability

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

Other text information**Profile extrusion**

PREPROCESSING

Max. Water content: 0.02 %

Drying temperature: 75 - 110 °C

Drying time:

Fresh air dryer (high speed dryer) 2-4 h

Dry air dryer 2-4 h

PROCESSING

Melt temperature: 230 - 250 °C

Section 1: 250 - 270 °C

Section 2: 240 - 260 °C

Section 3: 230 - 250 °C

Section 4: 230 - 250 °C

Die: 240 - 250 °C