

Product Texts

- (PC+ABS)-Blend
- flame retardant
- good UV/light transmission (≥ 380 nm) at low wall thicknesses for UV/light curing adhesives
- for thin-wall applications
- UL recognition 94 V-0 (1.0 mm)
- for thin-wall applications

Good UV/light transmission (≥ 380 nm) at low wall thicknesses for UV/light curing adhesives.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	17	cm ³ /10min	ISO 1133
Temperature	240	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2700	MPa	ISO 527
^[C] Yield stress	65	MPa	ISO 527
^[C] Yield strain	4	%	ISO 527
Izod impact strength, +23°C	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	30	kJ/m ²	ISO 180/1A

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	91	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	100	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	106	°C	ISO 306
^[C] Coeff. of linear therm. expansion, parallel	76	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	80	E-6/K	ISO 11359-1/-2
^[C] Burning Behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	1.0	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	50	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	325	-	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

Bayblend® FR3040 EV

(PC+ABS) FR(40)

Covestro Deutschland AG

Test specimen production	Value	Unit	Test Standard
ISO Data			
^[C] Injection Molding, melt temperature	240	°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
Melt temperature	240	°C	-
Mold temperature	80	°C	-
Injection speed	240	mm/s	-

Characteristics**Processing**

Injection Molding

Delivery form

Natural Color

Special Characteristics

Flame retardant

Features

Light Guiding

Regional Availability

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