



Bayblend® FR3060 EV
(PC+ABS)-GF15 FR(40)

Covestro Deutschland AG

- (PC+ABS)-Blend
- 15% glass fibre reinforced
- flame retardant
- Vicat/B 120 temperature = 100 °C
- UL recognition 94 V-0 at 1.5 mm and 5VA at 2 mm

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	23	cm³/10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-
Mechanical Properties			
ISO Data			
Tensile Modulus	5300	MPa	ISO 527
Stress at Break	95	MPa	ISO 527
Strain at Break	3	%	ISO 527
Impact Strength (Izod), 23°C	30	kJ/m²	ISO 180/1U
Thermal Properties			
ISO Data			
Temp. of deflection under load (1.80 MPa)	92	°C	ISO 75-1/-2
Coeff. of Linear Therm. Expansion, parallel	40	E-6/K	ISO 11359-1/-2
Coeff. of Linear Therm. Expansion, normal	70	E-6/K	ISO 11359-1/-2
Burning Behav. at 1.5 mm Nom. Thickn.	V-0	class	UL 94
Burning Behav. 5V at Thickness h	5VA	class	IEC 60695-11-20
Thickness tested	2.0	mm	-
Electrical Properties			
ISO Data			
Volume Resistivity	>1E13	Ohm*m	IEC 62631-3-1
Surface Resistivity	>1E15	Ohm	IEC 62631-3-2
Electric Strength	35	kV/mm	IEC 60243-1
Comparative tracking index	175	-	IEC 60112
Other Properties			
ISO Data			
Water Absorption	0.4	%	Sim. to ISO 62
Humidity absorption	0.1	%	Sim. to ISO 62
Density	1280	kg/m³	ISO 1183
Test specimen production			
ISO Data			
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
Processing Recommendation Injection Molding			
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	240 - 270	°C	-
Mold temperature	60 - 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

Special Characteristics

Flame retardant, Halogen-free