



# Component - Plastics

File Number: E41613

## Covestro Deutschland AG [PC Resins]

Chempark, Gebaeude B207, Leverkusen 51368 DE



### Bayblend: FR3000 + (z)

Polycarbonate/Acrylonitrile Butadiene Styrene (PC/ABS), pellets

(z) - Material designation and color code may be followed by up to three letters and/or three numbers (does not include grades which are separately recognized with above material designation and suffix)

+ - Material designations may be followed by a six digit numerical code denoting color.

Flammability	Value	Test Method
Flame Rating		UL 94
1.50 mm, ALL	V-0	
2.00 mm, ALL	V-0, 5VB	
3.00 mm, ALL	V-0, 5VA	
Flammability Classification		IEC 60695-11-10, -20
1.50 mm, ALL	V-0	
2.00 mm, ALL	V-0, 5VB	
3.00 mm, ALL	V-0, 5VA	
Glow Wire Flammability Index		IEC 60695-2-12
0.750 mm	900 °C	
1.00 mm	900 °C	
1.50 mm	960 °C	
2.00 mm	960 °C	
3.00 mm	960 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.750 mm	800 °C	
1.00 mm	800 °C	
1.50 mm	800 °C	
2.00 mm	800 °C	
3.00 mm	800 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.750 mm	PLC 3	
1.00 mm	PLC 3	
1.50 mm	PLC 2	
2.00 mm	PLC 2	
3.00 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
0.750 mm	PLC 0	
1.00 mm	PLC 0	
1.50 mm	PLC 0	
2.00 mm	PLC 0	
3.00 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 2	UL 746
Dielectric Strength	33 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 1	UL 746
Volume Resistivity	1.0E+16 ohms-cm	ASTM D257
Volume Resistivity	1.0E+16 ohms-cm	IEC 60093

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Electrical	Value	Test Method
Arc Resistance	PLC 5	ASTM D495
Electric Strength	33 kV/mm	IEC 60243-1
Thermal	Value	Test Method
RTI Elec		UL 746
1.00 mm	90.0 °C	
1.50 mm	90.0 °C	
2.00 mm	90.0 °C	
3.00 mm	90.0 °C	
RTI Imp		UL 746
1.50 mm	75.0 °C	
2.00 mm	75.0 °C	
3.00 mm	80.0 °C	
RTI Str		UL 746
1.50 mm	85.0 °C	
2.00 mm	85.0 °C	
3.00 mm	90.0 °C	
Ball Pressure Test (88°C, 3.00 mm)	Pass	IEC 60695-10-2

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