



FR3000 +

File Number: E41613

Yellow Card® 

COMPANY

Covestro Deutschland AG [PC Resins]
Chempark
Gebaeude B207
Leverkusen, 51368 Germany

MODEL INFO

Bayblend: FR3000 +
Polycarbonate/Acrylonitrile Butadiene Styrene (PC/ABS), furnished as pellets
+ – Material designations may be followed by a six digit numerical code denoting color.

FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		ANSI/UL 94
1.5 mm, Color: ALL	V-0	
2.0 mm, Color: ALL	5VB V-0	
3.0 mm, Color: ALL	5VA V-0	

ISO/IEC FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		IEC 60695-11-10
1.5 mm, Color: ALL	V-0	
2.0 mm, Color: ALL	V-0	
3.0 mm, Color: ALL	V-0	
Flammability		IEC 60695-11-20
2.0 mm, Color: ALL	5VB	
3.0 mm, Color: ALL	5VA	

Glow Wire Ignition Temperature (GWIT)		IEC 60695-2-13
0.75 mm	800 °C	
1.0 mm	800 °C	
1.5 mm	800 °C	
2.0 mm	800 °C	
3.0 mm	800 °C	
Glow Wire Flammability Index (GWFI)		IEC 60695-2-12
0.75 mm	900 °C	
1.0 mm	900 °C	
1.5 mm	960 °C	
2.0 mm	960 °C	
3.0 mm	960 °C	
ELECTRICAL PROPERTIES		
VALUE		TEST METHOD
Hot-wire Ignition (HWI)		UL 746A
0.75 mm	PLC 3	
1.0 mm	PLC 3	
1.5 mm	PLC 2	
2.0 mm	PLC 2	
3.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746A
0.75 mm	PLC 0	
1.0 mm	PLC 0	
1.5 mm	PLC 0	
2.0 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 2	UL 746A
Dielectric Strength	33 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 1	
Volume Resistivity	1.0E+16 ohms-cm	ASTM D257/IEC 60093

High Voltage, Low Current Arc Resistance

PLC 5

THERMAL PROPERTIES	VALUE	TEST METHOD
Relative Thermal Index - Electrical Strength		UL 746B
1.0 mm	90 °C	
1.5 mm	90 °C	
2.0 mm	90 °C	
3.0 mm	90 °C	
Relative Thermal Index - Mechanical Impact		UL 746B
1.5 mm	75 °C	
2.0 mm	75 °C	
3.0 mm	80 °C	
Relative Thermal Index - Mechanical Strength		UL 746B
1.5 mm	85 °C	
2.0 mm	85 °C	
3.0 mm	90 °C	
Ball Pressure Temperature	88 °C	

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