

FR3000 HI +

File Number: E41613

Yellow Card® 

COMPANY

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

MODEL INFO

Bayblend: FR3000 HI +
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

High Voltage Arc Tracking Rate (HVTR)

PLC 1

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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