



# Component - Plastics

File Number: E41613

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



## Bayblend: FR3030 +

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

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

Flammability	Value	Test Method
<b>Flame Rating</b>		UL 94
0.75 mm, ALL	V-2	
1.0 mm, ALL	V-2	
1.5 mm, ALL	V-0	
2.0 mm, ALL	V-0, 5VB	
3.0 mm, ALL	V-0, 5VA	
<b>Flammability Classification</b>		IEC 60695-11-10, -20
1.5 mm, ALL	V-0	
2.0 mm, ALL	V-0, 5VB	
3.0 mm, ALL	V-0, 5VA	
0.75 mm, ALL	V-2	
1.0 mm, ALL	V-2	
<b>Glow Wire Flammability Index</b>		IEC 60695-2-12
1.0 mm	960 °C	
1.5 mm	960 °C	
2.0 mm	960 °C	
3.0 mm	960 °C	
<b>Glow Wire Ignition Temperature</b>		IEC 60695-2-13
1.5 mm	825 °C	
2.0 mm	825 °C	
3.0 mm	825 °C	
Electrical	Value	Test Method
<b>Hot-wire Ignition (HWI)</b>		UL 746
0.75 mm	PLC 4	
1.0 mm	PLC 4	
1.5 mm	PLC 2	
2.0 mm	PLC 2	
3.0 mm	PLC 2	
<b>High Amp Arc Ignition (HAI)</b>		UL 746
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	
<b>Comparative Tracking Index (CTI)</b>	PLC 1	UL 746
<b>High Voltage Arc Tracking Rate (HVTR)</b>	PLC 0	UL 746
<b>Arc Resistance</b>	PLC 7	ASTM D495



Thermal	Value	Test Method
RTI Elec		UL 746
1.0 mm	95.0 °C	
1.5 mm	95.0 °C	
2.0 mm	95.0 °C	
3.0 mm	95.0 °C	
RTI Imp		UL 746
1.5 mm	80.0 °C	
2.0 mm	80.0 °C	
3.0 mm	85.0 °C	
RTI Str		UL 746
1.5 mm	85.0 °C	
2.0 mm	85.0 °C	
3.0 mm	90.0 °C	

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