



BAYER MATERIALSCIENCE AG
CHEMPARK, GEBAEUDE B2017, LEVERKUSEN 51368 DE



Bayblend: FR3010 + (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
1.20 mm, ALL	V-1	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
1.00 mm	960 °C	
1.20 mm	960 °C	
1.50 mm	960 °C	
2.00 mm	960 °C	
3.00 mm	960 °C	
Glow Wire Ignition Temperature		IEC60695-2-13
1.00 mm	850 °C	
1.20 mm	850 °C	
1.50 mm	850 °C	
2.00 mm	850 °C	
3.00 mm	850 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
1.00 mm	PLC 4	
1.20 mm	PLC 4	
1.50 mm	PLC 3	
2.00 mm	PLC 3	
3.00 mm	PLC 3	
High Amp Arc Ignition (HAI)		UL 746
1.00 mm	PLC 0	
1.20 mm	PLC 0	
1.50 mm	PLC 0	
2.00 mm	PLC 0	
3.00 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746
Dielectric Strength	29 kV/mm	ASTM D149
		IEC 60243-1
High Voltage Arc Tracking Rate (HVTR)	PLC 3	UL 746
Volume Resistivity	1.0E+16 ohms · cm	ASTM D257
		IEC 60093
Arc Resistance	PLC 6	ASTM D495



Thermal	Value	Test Method
RTI Elec		UL 746
1.00 mm	95,0 °C	
1.20 mm	95,0 °C	
1.50 mm	95,0 °C	
2.00 mm	95,0 °C	
3.00 mm	95,0 °C	
RTI Imp		UL 746
1.00 mm	60.0 °C	
1.20 mm	60.0 °C	
1.50 mm	85.0 °C	
2.00 mm	85.0 °C	
3.00 mm	85.0 °C	
RTI Str		UL 746
1.00 mm	60.0 °C	
1.20 mm	60.0 °C	
1.50 mm	85.0 °C	
2.00 mm	85.0 °C	
3.00 mm	90.0 °C	

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