

Model FR1514 +, FR1514 + BBS073, KU2-1514 +, KU2-1514 + BBS073, FR1514 + BBS073 RE CQ, FR1514 + RE(b) CQ, FR1514 + BBS073 RE(b) CQ

File Number: E41613



COMPANY

Covestro Deutschland AG [PC Resins]
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MODEL INFO

FR1514 +, FR1514 + BBS073, KU2-1514 +, KU2-1514 + BBS073, FR1514 + BBS073 RE CQ, FR1514 + RE(b) CQ, FR1514 + BBS073 RE(b) CQ
Polycarbonate (PC) "Bayblend", impact modified, furnished as pellets
+ – Material designations may be followed by a six digit numerical code denoting color.
(b) – Replaced by two digits 01 to 99, which do not impact the UL Safety critical properties.

FLAMMABILITY PROPERTIES	额定值	测试方法
Flammability		ANSI/UL 94
1.0 mm, Color: BK	V-1	
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	额定值	测试方法
Flammability		IEC 60695-11-10
1.0 mm, Color: BK	V-1	
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	850 °C	
1.0 mm	850 °C	
1.5 mm	850 °C	
2.0 mm	850 °C	
3.0 mm	960 °C	
ELECTRICAL PROPERTIES		
	额定值	测试方法
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 2	
1.0 mm	PLC 2	
1.5 mm	PLC 2	
2.0 mm	PLC 2	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 2	UL 746A
High Voltage Arc Tracking Rate (HVTR)	PLC 2	

High Voltage, Low Current Arc Resistance		PLC 7
THERMAL PROPERTIES	额定值	测试方法
Relative Thermal Index - Electrical Strength		UL 746B
0.75 mm	80 °C	
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
0.75 mm	80 °C	
1.0 mm	80 °C	
1.5 mm	90 °C	
2.0 mm	90 °C	
3.0 mm	90 °C	
Relative Thermal Index - Mechanical Strength		UL 746B
0.75 mm	80 °C	
1.0 mm	80 °C	
1.5 mm	90 °C	
2.0 mm	90 °C	
3.0 mm	90 °C	
Ball Pressure Temperature		125 °C

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