



Component - Plastics

File Number: E67171

LG CHEM LTD
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AF365(&)

Acrylonitrile Butadiene Styrene (ABS), pellets

(&) - May be replaced by one, two, or three numbers and/or letter, except Grade AF367SH, XR401B, AF366F and AF367T

Flammability	Value	Test Method
Flame Rating		UL 94 IEC 60695-11-10, -20
1.7 mm, ALL	V-1	
1.8 mm, ALL	V-1	
2.0 mm, ALL	V-0, 5VA	
2.5 mm, ALL	V-0, 5VA	
3.0 mm, ALL	V-0, 5VA	
Glow Wire Flammability Index (3.0 mm)	960 °C	IEC 60695-2-12
Glow Wire Ignition Temperature (3.0 mm)	675 °C	IEC 60695-2-13
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
1.7 mm	PLC 3	
1.8 mm	PLC 3	
2.0 mm	PLC 2	
2.5 mm	PLC 2	
3.0 mm	PLC 2	
High Amp Arc Ignition (HAI)		UL 746
1.7 mm	PLC 2	
1.8 mm	PLC 2	
2.0 mm	PLC 2	
2.5 mm	PLC 2	
3.0 mm	PLC 1	
Comparative Tracking Index (CTI)	PLC 2	UL 746
High Voltage Arc Tracking Rate (HVTR)	PLC 2	UL 746
Volume Resistivity	1.0E+14 ohms·cm	ASTM D257 IEC 60093
Arc Resistance	PLC 6	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746
1.7 mm	60.0 °C	
1.8 mm	85.0 °C	
2.0 mm	85.0 °C	
2.5 mm	85.0 °C	
3.0 mm	85.0 °C	

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Thermal	Value	Test Method
RTI Imp		UL 746
1.7 mm	60.0 °C	
1.8 mm	85.0 °C	
2.0 mm	85.0 °C	
2.5 mm	85.0 °C	
3.0 mm	85.0 °C	
RTI Str		UL 746
1.7 mm	60.0 °C	
1.8 mm	80.0 °C	
2.0 mm	80.0 °C	
2.5 mm	80.0 °C	
3.0 mm	80.0 °C	
Ball Pressure Test (75°C)	Pass	IEC 60695-10-2