



Component - Plastics

File Number: E162823

FORMOSA CHEMICALS & FIBRE CORP PLASTICS DIV

201 TUNG HWA N RD

TAIPEI, 105 Taiwan



TAIRILOY: AC310(+)

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

(+) - Replace by one digital 0-9 or one alphabet A-Z, unconcerned with formula or constituent changed

Flammability	Value	Test Method
Flame Rating		UL 94
0.8 mm, ALL	V-2	IEC 60695-11-10, -20
1.0 mm, ALL	V-0	
1.2 mm, ALL	V-0	
1.5 mm, ALL	V-0	
2.3 mm, ALL	V-0, 5VB	
3.0 mm, ALL	V-0, 5VA	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.8 mm	PLC 3	UL 746
1.0 mm	PLC 3	
1.2 mm	PLC 3	
1.5 mm	PLC 3	
2.3 mm	PLC 2	
High Amp Arc Ignition (HAI)		UL 746
0.8 mm	PLC 0	UL 746
1.0 mm	PLC 0	
1.2 mm	PLC 0	
1.5 mm	PLC 0	
2.3 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746
High Voltage Arc Tracking Rate (HVTR)	PLC 3	UL 746
Arc Resistance	PLC 7	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746
0.8 mm	60.0 °C	UL 746
1.0 mm	60.0 °C	
1.2 mm	60.0 °C	
1.5 mm	90.0 °C	
2.3 mm	90.0 °C	
3.0 mm	90.0 °C	
RTI Imp		UL 746
0.8 mm	60.0 °C	UL 746
1.0 mm	60.0 °C	
1.2 mm	60.0 °C	
1.5 mm	85.0 °C	
2.3 mm	85.0 °C	
3.0 mm	85.0 °C	

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Thermal	Value	Test Method
RTI Str		UL 746
0.8 mm	60.0 °C	
1.0 mm	60.0 °C	
1.2 mm	60.0 °C	
1.5 mm	90.0 °C	
2.3 mm	90.0 °C	
3.0 mm	90.0 °C	
Ball Pressure Test (75°C, 3.00 mm)	Pass	IEC 60695-10-2