



Component - Plastics

File Number: E162823

FORMOSA CHEMICALS & FIBRE CORP PLASTICS DIV

201 TUNG HWA N RD
TAIPEI, 105 Taiwan



TAIRILITE: AC383(x)(f1)

Polycarbonate (PC), pellets

- (f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.
- (x) - Replace by one digital 0-9, unconcerned with formula or constituent changed

Flammability	Value	Test Method
Flame Rating		UL 94
1.0 mm, ALL	V-0	IEC 60695-11-10, -20
1.2 mm, ALL	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0, 5VA	
Glow Wire Flammability Index		IEC 60695-2-12
1.5 mm	960 °C	
3.0 mm	960 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
1.5 mm	875 °C	
3.0 mm	875 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
1.0 mm	PLC 1	
1.2 mm	PLC 1	
1.5 mm	PLC 1	
3.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
1.0 mm	PLC 0	
1.2 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 2	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
1.0 mm	130 °C	
1.2 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	
RTI Imp		UL 746
1.0 mm	130 °C	
1.2 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	

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Thermal	Value	Test Method
RTI Str		UL 746
1.0 mm	130 °C	
1.2 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	
Physical	Value	Test Method
Outdoor Suitability	f1	UL 746C