



Component - Plastics

File Number: E162823

FORMOSA CHEMICALS & FIBRE CORP PLASTICS DIV

201 TUNG HWA N RD

TAIPEI, 105 Taiwan



TAIRILITE: AC385(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
2.5 mm, NC, WT	V-0	IEC 60695-11-10, -20
3.0 mm, NC, WT	V-0	
Glow Wire Flammability Index (2.5 mm)	960 °C	IEC 60695-2-12
Glow Wire Ignition Temperature (2.5 mm)	875 °C	IEC 60695-2-13
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
2.5 mm	PLC 2	
3.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746
2.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 3	UL 746
High Voltage Arc Tracking Rate (HVTR)	PLC 2	UL 746
Arc Resistance	PLC 6	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746
2.5 mm	130 °C	
3.0 mm	130 °C	
RTI Imp		UL 746
2.5 mm	130 °C	
3.0 mm	130 °C	
RTI Str		UL 746
2.5 mm	130 °C	
3.0 mm	130 °C	
Physical	Value	Test Method
Outdoor Suitability	f1	UL 746C