



# Component - Plastics

File Number: E162823

FORMOSA CHEMICALS & FIBRE CORP PLASTICS DIV

201 TUNG HWA N RD

TAIPEI, 105 Taiwan



## TAIRILITE: AC285(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                |
| 0.75 mm, WT, RD, BK                   | V-2    | IEC 60695-11-10, -20 |
| 1.0 mm, WT, RD, BK                    | V-2    |                      |
| 3.0 mm, WT, RD, BK                    | V-2    |                      |
| Electrical                            | Value  | Test Method          |
| Hot-wire Ignition (HWI)               |        | UL 746               |
| 0.75 mm                               | PLC 2  |                      |
| 1.0 mm                                | PLC 2  |                      |
| 3.0 mm                                | PLC 2  |                      |
| High Amp Arc Ignition (HAI)           |        | UL 746               |
| 0.75 mm                               | PLC 0  |                      |
| 1.0 mm                                | PLC 0  |                      |
| 3.0 mm                                | PLC 0  |                      |
| Comparative Tracking Index (CTI)      | PLC 3  | UL 746               |
| High Voltage Arc Tracking Rate (HVTR) | PLC 3  | UL 746               |
| Arc Resistance                        | PLC 6  | ASTM D495            |
| Thermal                               | Value  | Test Method          |
| RTI Elec                              |        | UL 746               |
| 0.75 mm                               | 130 °C |                      |
| 1.0 mm                                | 130 °C |                      |
| 3.0 mm                                | 130 °C |                      |
| RTI Imp                               |        | UL 746               |
| 0.75 mm                               | 120 °C |                      |
| 1.0 mm                                | 120 °C |                      |
| 3.0 mm                                | 125 °C |                      |
| RTI Str                               |        | UL 746               |
| 0.75 mm                               | 125 °C |                      |
| 1.0 mm                                | 125 °C |                      |
| 3.0 mm                                | 125 °C |                      |
| Physical                              | Value  | Test Method          |
| Outdoor Suitability                   | f1     | UL 746C              |