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Component - Plastics

E162823

Guide Information

**FORMOSA CHEMICALS & FIBRE CORP PLASTICS DIV**

201 TUNG HWA N RD, TAIPEI 105 TW

**AC285(x)(f1)**

Polycarbonate (PC) "TAIRILITE", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAJ	RTI Elec	RTI Imp	RTI Str
WT, RD, BK	0.75	V-2	2	0	130	120	125
	1.0	V-2	2	0	130	120	125
	3.0	V-2	2	0	130	125	125

Comparative Tracking Index (CTI): 3  
 Dielectric Strength (kV/mm): -  
 High-Voltage Arc Tracking Rate (HVTR): 3  
 Dimensional Stability (%): -  
 Inclined Plane Tracking (IPT) kV: -  
 Volume Resistivity (10<sup>x</sup> ohm-cm): -  
 High Volt, Low Current Arc Resis (D495): 6

(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

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

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IEC and ISO Test Methods				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.75	V-2 (WT, RD, BK)
			1.0	V-2 (WT, RD, BK)
			3.0	V-2 (WT, RD, BK)
Glow-Wire Flammability (GWI)	IEC 60695-2-12	°C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	-	-
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	°C	-	-
ISO Heat Deflection (1.80 MPa)	ISO 75-2	°C	-	-
ISO Tensile Strength	ISO 527-2	MPa	-	-
ISO Flexural Strength	ISO 178	MPa	-	-
ISO Tensile Impact	ISO 8256	kJ/m <sup>2</sup>	-	-
ISO Izod Impact	ISO 180	kJ/m <sup>2</sup>	-	-
ISO Charpy Impact	ISO 179-2	kJ/m <sup>2</sup>	-	-