

FORMOSA CHEMICALS & FIBRE CORP PLASTICS DIV

380 Sec 6 Nanjing E Rd, Neihu District, TAIPEI 114 TW

AC3600-H, AC361(x)-H

Polycarbonate (PC) "TAIRILITE", furnished as pellets

<u>Color</u>	<u>Min. Thk</u> <u>(mm)</u>	<u>Flame</u> <u>Class</u>	<u>HWI</u>	<u>HAI</u>	<u>RTI Elec</u> <u>(°C)</u>	<u>RTI Imp</u> <u>(°C)</u>	<u>RTI Str</u> <u>(°C)</u>
ALL	0.6	V-2	-	-	80	80	80
	0.8	V-1	-	-	80	80	80
	1.0	V-0	-	-	130	130	130
	1.2	V-0	3	2	130	130	130
	1.5	V-0	3	2	130	130	130
	2.0	V-0, 5VB	3	2	130	130	130
	3.0	V-0, 5VB	2	2	130	130	130
Comparative Tracking Index (CTI): 3				Inclined Plane Tracking (IPT) kV: -			
Dielectric Strength (kV/mm): -				Volume Resistivity (10 ^x ohm-cm): -			
High-Voltage Arc Tracking Rate (HVTR): 2				Surface Resistivity (10 ^x ohms/square): -			
Dimensional Change (%): -				High Volt, Low Current Arc Resis (D495): 7			
(x) - Replace by one digital 0-9, unconcerned with formula or constituent changed							

IEC and ISO Test Methods				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10, IEC 60695-11-20	Class (color)	0.6	V-2 (ALL)
			0.8	V-1 (ALL)
			1.0	V-0 (ALL)
			1.2	V-0 (ALL)
			1.5	V-0 (ALL)
			2.0	V-0, 5VB (ALL)
			3.0	V-0, 5VB (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	1.0	930
			1.2	960
			1.5	960
			2.0	960
			3.0	960
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	1.0	850
			1.2	850
			1.5	850
			2.0	850
			3.0	875
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC AC Dielectric Strength (AC DS)	IEC 60243-1	kV/mm	-	-
IEC DC Dielectric Strength (DC DS)	IEC 60243-2	kV/mm	-	-
IEC Volume Resistivity (VR)	IEC 62631-3-1	10 ^x ohm-m	-	-
IEC Surface Resistivity (SR)	IEC 62631-3-2	10 ^x ohms	-	-
IEC Inclined Plane Tracking (IPT)	IEC 60587	kV	-	-
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 ²	-	-
ISO Izod Impact	ISO 180	kJ/m ²	-	-
ISO Charpy Impact	ISO 179-1	kJ/m ²	-	-