


**FORMOSA CHEMICALS & FIBRE CORPORATION**
**TAIRILITE® PC Resin**

Property	Unit	Test Method	Test Condition	Self Extinguishing
				AC3610-AF
Tensile Strength	kg/cm <sup>2</sup> (MPa)	ASTM D-638	23 °C	610 (60)
Flexural Strength	kg/cm <sup>2</sup> (MPa)	ASTM D-790	23 °C	1040 (102)
Flexural Modulus	kg/cm <sup>2</sup> (MPa)	ASTM D-790	23 °C	23000 (2200)
Rockwell Hardness	R-scale	ASTM D-785	23 °C	R-122
Izod Impact Strength	kg-cm/cm (J/m)	ASTM D-256	23 °C 3.2mm	70 (570)
Charpy Impact Strength	KJ/m <sup>2</sup>	ISO 179	23 °C 4mm	60
Heat Deflection Temperature	°C	ASTM D-648	Unannealed 18.6 kg/cm <sup>2</sup> (1.8MPa) 1/8" bar	113
Vicat Softening Point	°C	ASTM D-1525	VICAT (10N)	133
Melt Flow Index	g/10 min	ASTM D-1238	300°Cx1.2kg	19
Specific Gravity		ASTM D-792	23°C/23°C	1.19
Molding Shrinkage	%	ASTM D-955	3.2mm	0.5-0.7
Flammability		UL-94	File No. E162823	1. 0mm V-0 1. 2mm V-0 1. 5mm V-0 2. 0mm V-0, 5VB 3. 0mm V-0 All Color
Characteristics	High flow, Non-transparency, Cl, Br, Sb free, Flame retardant			

All tests were run under laboratory conditions, ASTM, ISO testing procedures. The data are intended as a general guide only.

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