



FORMOSA CHEMICALS & FIBRE CORPORATION

TAIRILITE® PC Resin

Property	Unit	Test Method	Test Condition	Flame Retardant Diffusion
				AC3830 Code: A080
Tensile Strength	kg/cm ² (Mpa)	ASTM D-638 (ISO 527)	23 °C	650 (62)
Flexural Strength	kg/cm ² (Mpa)	ASTM D-790 (ISO 178)	23 °C	1,020 (100)
Flexural Modulus	kg/cm ² (MPa)	ASTM D-790 (ISO 178)	23 °C	22,500 (2,200)
Rockwell Hardness	R-scale	ASTM D-785 (ISO 2039/2)	23 °C	122
Izod Impact Strength	kg-cm/cm (J/m)	ASTM D-256 (1/8" bar)	23 °C	40 (380)
Heat Deflection Temperature	°C	ASTM D-648 (ISO 75/A)	Unannealed 18.6 kg/cm ² (1.8MPa) 1/8" bar	122
Melt Flow Index	g/10 min	ASTM D-1238 (ISO 1133)	300°C × 1.2kg	12
Total Light Transmittance	%	ASTM D-1003	1.0mm	80
Haze (%)	%	ASTM D-1003	1.0mm	91
Degree of dispersion	(deg.)	Internal Test	1.0mm	20
Specific Gravity		ASTM D792 (ISO 1183)	23 °C	1.2
Molding Shrinkage	%	ASTM D-955 (ISO 2577)	3.2 mm	0.5~0.7
Flammability	-	UL 94 UL 94 UL 746 UL 746C	File No. E162823	1.0mm V0 3.0mm 5VA RTI=130/130/130 fl
CHARACTERISTICS	Light diffusion, Middle flow ability, UV stabilization, 1.0mm V0、3.0mm 5VA、RTI 130°C、fl rating.			

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

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