



FORMOSA CHEMICALS & FIBRE CORPORATION

TAIRILITE® PC Resin

Property	Unit	Test Method	Test Condition	Weather Resistance
				AC1117 (Code: AF08)
Tensile Strength	kg/cm ² (Mpa)	ASTM D-638 (ISO 527)	23 °C	750 (73)
Flexural Strength	kg/cm ² (Mpa)	ASTM D-790 (ISO 178)	23 °C	1,100 (108)
Flexural Modulus	kg/cm ² (MPa)	ASTM D-790 (ISO 178)	23 °C	22,000 (2,150)
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	85 (833)
Heat Deflection Temperature	°C	ASTM D-648 (ISO 75/A)	Unannealed 18.6 kg/cm ² (1.8MPa) 1/8" bar	128
Melt Flow Index	g/10 min	ASTM D-1238 (ISO 1133)	300°C×1.2kg	8
Specific Gravity		ASTM D792 (ISO 1183)	23 °C	1.2
Molding Shrinkage	%	ASTM D-955 (ISO 2577)	3.2mm	0.5~0.7
Transmission	%	ASTM D1003	3.2mm	89.0
Haze	%	ASTM D1003	3.2mm	0.5
Flammability	-	UL 94	File No. E162823	All color 0.8mm V2 3.0mm V2
CHARACTERISTICS	Low-Flow、UV400nm cut-off			

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

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