


FORMOSA CHEMICALS & FIBRE CORPORATION
TAIRILITE® PC Resin

Property	Unit	Test Method	Test Condition	Flame Retardant Low Temp.
				AC9830
Tensile Strength	kg/cm ² (MPa)	ASTM D-638	23 °C	585 (55)
Flexural Strength	kg/cm ² (MPa)	ASTM D-790	23 °C	970 (95)
Flexural Modulus	kg/cm ² (MPa)	ASTM D-790	23 °C	19,000 (1,865)
Rockwell Hardness	R-scale	ASTM D-785	23 °C	118
Izod Impact Strength	kg-cm/cm (J/m)	ASTM D-256	23 °C 1/8" bar	70 (23 °C) 50 (-30 °C) 40 (-40 °C)
Heat Deflection Temperature	°C	ASTM D-648	Unannealed 18.6 kg/cm ² (1.8MPa) 1/8" bar	122
Melt Flow Index	g/10 min	ASTM D-1238	300°C × 1.2kg	14
Specific Gravity		ASTM D-792	23°C/23°C	1.18
Molding Shrinkage	%	ASTM D-955	3.2mm	0.6~0.8
Transmission	%	ASTM D-1003	Thickness (1.0mm)	—
Haze	%	ASTM D-1003	Thickness (1.0mm)	—
Flammability		UL-94	File No. E162823	0.75mm V-1 1.5mm V-0 3.0mm V-0, 5VA All Color
Characteristics	Translucent, Mid flow, Flame retardant, Low temperature impact property,			

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

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