


FORMOSA CHEMICALS & FIBRE CORPORATION
TAIRILITE® PC Resin

Property	Unit	Test Method	Test Condition	Transparency Low Temp. Resistance
				AC9140
Tensile Strength	kg/cm ² (MPa)	ASTM D-638	23 °C	530 (54)
Flexural Strength	kg/cm ² (MPa)	ASTM D-790	23 °C	950 (93)
Flexural Modulus	kg/cm ² (MPa)	ASTM D-790	23 °C	24,500 (2,400)
Rockwell Hardness	R-scale	ASTM D-785	23 °C	120
Izod Impact Strength	kg-cm/cm (J/m)	ASTM D-256	23 °C 1/8" bar	75 (23 °C) 50 (-30 °C) 25 (-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	13
Specific Gravity		ASTM D-792	23°C/23°C	1.2
Molding Shrinkage	%	ASTM D-955	3.2mm	0.6~0.8
Transmission	%	ASTM D-1003	Thickness(1.0mm)	>87
Haze	%	ASTM D-1003	Thickness(1.0mm)	<1.0
Flammability		UL-94	File No. E162823	2.0mm V-2 3.0mm V-2 All Color
Characteristics	Transparent, Mid flow, Low temperature impact property, UV resistance.			

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

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