



TAIRILITE® PC Resin

Property	Unit	Test Method	Test Condition	Transparent Flame Retardant
				AC3855
Tensile Strength	kg/cm ² (MPa)	ASTM D-638	23 °C	650 (64)
Flexural Strength	kg/cm ² (MPa)	ASTM D-790	23 °C	1,050 (103)
Flexural Modulus	kg/cm ² (MPa)	ASTM D-790	23 °C	22,000 (2,160)
Rockwell Hardness	R-scale	ASTM D-785	23 °C	122
Izod Impact Strength	kg-cm/cm (J/m)	ASTM D-256	23 °C 1/8" bar	75 (735)
Heat Deflection Temperature	°C	ASTM D-648	Unannealed 18.6 kg/cm ² (1.8MPa) 1/8" bar	128
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	0.5~0.7
Transmission	%	ASTM D-1003	Thickness (1.0mm)	>88
Haze	%	ASTM D-1003	Thickness (1.0mm)	<2.0
Flammability		UL-94	File No. E162823	2.5mm V-0 3.0mm V-0 All Color
Characteristics	Transparency, Flame retardant, Mid flow, 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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