



TAIRILITE® PC Resin

Property	Unit	Test Method	Test Condition	Self Extinguishing Grade
				AC3800
Tensile Strength	kg/cm ² (Mpa)	ASTM D-638 (ISO 527)	23 °C	720 (71)
Flexural Strength	kg/cm ² (Mpa)	ASTM D-790 (ISO 178)	23 °C	1160 (114)
Flexural Modulus	kg/cm ² (MPa)	ASTM D-790 (ISO 178)	23 °C	22000 (2150)
Rockwell Hardness	R-scale	ASTM D-785 (ISO 2039/2)	23 °C	R-123
Izod Impact Strength	kg-cm/cm (J/m)	ASTM D-256 (ISO R180)	23 °C 1/8" bar	85 (833)
Heat Deflection Temperature	°C	ASTM D-648 (ISO 75/A)	Unannealed 18.6 kg/cm ² (1.8MPa) 1/8" bar	126
Melt Flow Index	g/10 min	ASTM D-1238 (ISO 1133)	300°Cx1.2kg	13
Specific Gravity		ASTM D792 (ISO 1183)	23 °C / 23 °C	1.20
Molding Shrinkage	%	ASTM D-955 (ISO 2577)	3.2mm	0.5-0.7
Flammability		UL-94	File No. E162823	6.3mm V0 1.5mm V2 All Color
Characteristics	Transparent, Flame retardant Cl, Br, Sb free			

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

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