



TAIRILITE® PC Resin

Property	Unit	Test Method	Test Condition	Self Extinguishing
				AC3600
Tensile Strength	kg/cm ² (MPa)	ASTM D-638	23 °C	660 (65)
Flexural Strength	kg/cm ² (MPa)	ASTM D-790	23 °C	1050 (103)
Flexural Modulus	kg/cm ² (MPa)	ASTM D-790	23 °C	22000 (2100)
Rockwell Hardness	R-scale	ASTM D-785	23 °C	R-120
Izod Impact Strength	kg-cm/cm (J/m)	ASTM D-256	23 °C 3.2mm	75 (600)
Charpy Impact Strength	KJ/m ²	ISO 179	23 °C 4mm	63
Heat Deflection Temperature	°C	ASTM D-648	Unannealed 18.6 kg/cm ² (1.8MPa) 1/8" bar	123
Vicat Softening Point	°C	ASTM D-1525	VICAT (10N)	147
Melt Flow Index	g/10 min	ASTM D-1238	300°Cx1.2kg	11
Specific Gravity		ASTM D-792	23°C/23°C	1.19
Molding Shrinkage	%	ASTM D-955	3.2mm	0.5-0.7
Flammability		UL-94	File No. E162823	1.0mm V-0 1.2mm V-0 1.5mm V-0 2.0mm V-0, 5VB 3.0mm V-0 All Color
Characteristics	Halogen free, Non-phosphorus, flame retardant, High heat 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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