



**TAIRILITE® PC Resin**

Property	Unit	Test Method	Test Condition	General Diffusion
				AC2856
Tensile Strength	kg/cm <sup>2</sup> (Mpa)	ASTM D-638 (ISO 527)	23 °C	600 (59)
Flexural Strength	kg/cm <sup>2</sup> (Mpa)	ASTM D-790 (ISO 178)	23 °C	1,020 (100)
Flexural Modulus	kg/cm <sup>2</sup> (MPa)	ASTM D-790 (ISO 178)	23 °C	22,800 (2,250)
Rockwell Hardness	R-scale	ASTM D-785 (ISO 2039/2)	23 °C	122
Izod Impact Strength	kg-cm/cm (J/m)	ASTM D-256 (1/8"bar)	23 °C	6 (59)
Heat Deflection Temperature	°C	ASTM D-648 (ISO 75/A)	Unannealed 18.6 kg/cm <sup>2</sup> (1.8MPa) 1/8" bar	122
Melt Flow Index	g/10 min	ASTM D-1238 (ISO 1133)	300°C × 1.2kg	27
Specific Gravity		ASTM D792 (ISO 1183)	23 °C	1.2
Molding Shrinkage	%	ASTM D-955 (ISO 2577)	3.2 mm	0.5~0.7
Transmission	%	ASTM D-1003	1.0 mm	99~60
Haze	%	ASTM D-1003	1.0 mm	91~88
Flammability	-	UL94 UL746 UL746C	File No. E162823	0.75mm V2 RTI 120~130°C fl
<b>CHARACTERISTICS</b>	General diffusion, High flow ability, UV stabilization, V2 rated、RTI 120°C、fl			

**Optical Properties (thickness 1.0mm)**

Code	A099	A095	A080	A060
Color tone	Ice Blue	White	White	White
Total Light Transmittance (%)	99	95	80	60
Haze (%)	88	90	91	91
Degree of dispersion (deg.)	8	10	21	60

• Total Light Transmittance、Haze

Conditions: JIS K-7105 & ASTM D1003 / Equipment: TOKYO DENSHOKU Haze Meter TC-HIII DPK

• Degree of dispersion (DLD)Conditions:

In house method / Equipment: NIPPON DENSHOKU Variable Angle Photometer GC-5000L

All tests were run under laboratory conditions, ASTM, ISO testing procedures.

The data are intended as a general guide only.

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