


**FORMOSA CHEMICALS & FIBRE CORPORATION**
**TAIRILAC® ABS RESIN**

Property	Unit	Test Method	Test Condition	General Purpose Grade
				AG15E1
Tensile Strength	kg/cm <sup>2</sup> (MPa)	ASTM D-638	23 °C	480 (48)
Flexural Strength	kg/cm <sup>2</sup> (MPa)	ASTM D-790	23 °C	840 (83)
Flexural Modulus	kg/cm <sup>2</sup> (MPa)	ASTM D-790	23 °C	28000 (2750)
Rockwell Hardness	R-scale	ASTM D-785	23 °C	R-111
Izod Impact Strength	kg-cm/cm (J/m)	ASTM D-256	23 °C 1/4"	14 (137)
Vicat Softening Point	°C	ASTM D-1525	1Kg load	103
Heat Deflection Temperature	°C	ASTM D-648	Unannealed 18.6 kg/cm <sup>2</sup> (1/4"bar)	85
			Annealed (80°C×8hr)	95
Melt Flow Index	g/10 min	ASTM D-1238	200°C×5kg (49N)	2.0
			220°C×10kg (98N)	25
Molding Shrinkage	%	ASTM D-955	3.2mm	0.4~0.7
Specific Gravity		ASTM D-792	23°C/23°C	1.05
Flammability		UL-94	File No. E162823	1.6mm HB All Color
CHARACTERISTICS	High gloss, High rigid			

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

**Formosa Chemicals & Fibre Corp. Plastics Div.**

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