


**FORMOSA CHEMICALS & FIBRE CORPORATION**
**TAIRILAC<sup>®</sup> ABS RESIN**

Property	Unit	Test Method	Test Condition	Self Extinguishing Grade
				ANC100
Tensile Strength	kg/cm <sup>2</sup> (MPa)	ASTM D-638	23 °C	420 (41)
Flexural Strength	kg/cm <sup>2</sup> (MPa)	ASTM D-790	23 °C	720 (71)
Flexural Modulus	kg/cm <sup>2</sup> (MPa)	ASTM D-790	23 °C	24000 (2350)
Rockwell Hardness	R-scale	ASTM D-785	23 °C	R-101
Izod Impact Strength	kg-cm/cm (J/m)	ASTM D-256	23 °C 1/4"	24 (237)
Vicat Softening Point	°C	ASTM D-1525	1Kg load	84
Heat Deflection Temperature	°C	ASTM D-648	Unannealed 18.6 kg/cm <sup>2</sup> (1/4"bar)	78
			Annealed (80°C×8hr)	90
Melt Flow Index	g/10 min	ASTM D-1238	200°C×5kg (49N)	7.5
			220°C×10kg (98N)	—
Molding Shrinkage	%	ASTM D-955	3.2mm	0.3~0.6
Specific Gravity		ASTM D-792	23°C/23°C	1.21
Flammability		UL-94	File No. E162823	1.5mm V-0 2.3mm V-0, 5VA 2.5mm 5VA 3.0mm V-0 All Color
CHARACTERISTICS	Flame retardant			

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.**

TEL: +886-2-27122211 / FAX: +886-2-27131649 /

Address: No.201, Dunhua N. Rd., Songshan Dist., Taipei City 105, Taiwan

Website: <https://en.fcf-plastics.com/>

