


FORMOSA CHEMICALS & FIBRE CORPORATION
TAIRILOY® PC / ABS Resin

Property	Unit	Test Method	Test Condition	Self Extinguishing Grade
				AC3100-AF
Tensile Strength	kg/cm ² (MPa)	ASTM D-638 (ISO 527)	23 °C	580 (57)
Flexural Strength	kg/cm ² (MPa)	ASTM D-790 (ISO 178)	23 °C	970 (95)
Flexural Modulus	kg/cm ² (MPa)	ASTM D-790 (ISO 178)	23 °C	24000 (2350)
Rockwell Hardness	R-scale	ASTM D-785 (ISO 2039/2)	23 °C	R-116
Izod Impact Strength	kg-cm/cm (J/m)	ASTM D-256 (ISO 180)	23 °C 3.2mm	60 (400)
Charpy Impact Strength	kJ/m ²	ISO 179	23 °C 4mm	23
Vicat Softening Point	°C	ASTM D-1525 (ISO 306)	VICAT(10N)	102
Heat Deflection Temperature	°C	ASTM D-648 (ISO 75/A)	Unannealed 18.6 kg/cm ² (1.8MPa) 1/4" bar	88
Melt Flow Index	g/10 min	ASTM D-1238 (ISO 1133)	240°C × 5kg	50
			260°C × 2.16kg	35
Specific Gravity		ASTM D-792 (ISO 1183)	23°C/23°C	1.18
Molding Shrinkage	%	ASTM D-955 (ISO 2577)	3.2mm	0.4-0.6
Flammability		UL-94	FILE NO. E162823	1.5mm V-0 2.3mm V-0, 5VB 3.0mm V-0, 5VA All Color
Characteristics	High flow, 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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