


FORMOSA CHEMICALS & FIBRE CORPORATION
TAIRILOY® PC / ABS Resin

Property	Unit	Test Method	Test Condition	General Purpose Grade
				AC2501-AF
Tensile Strength	kg/cm ² (MPa)	ASTM D-638 (ISO 527)	23 °C	540 (48)
Flexural Strength	kg/cm ² (MPa)	ASTM D-790 (ISO 178)	23 °C	760 (75)
Flexural Modulus	kg/cm ² (MPa)	ASTM D-790 (ISO 178)	23 °C	20000 (2000)
Rockwell Hardness	R-scale	ASTM D-785 (ISO 2039/2)	23 °C	R-103
Izod Impact Strength	kg-cm/cm (J/m)	ASTM D-256 (ISO 180)	23 °C 3.2mm	57 (560)
Charpy Impact Strength	kJ/m ²	ISO 179	23 °C 4mm	50
Vicat Softening Point	°C	ASTM D-1525 (ISO 306)	VICAT (10N)	128
Heat Deflection Temperature	°C	ASTM D-648 (ISO 75/A)	Unannealed 18.6 kg/cm ² (1.8MPa) 1/4" bar	105
Melt Flow Index	g/10 min	ASTM D-1238 (ISO 1133)	240°C × 5kg	8
			260°C × 5kg	24.5
Specific Gravity		ASTM D-792 (ISO 1183)	23°C/23°C	1.12
Molding Shrinkage	%	ASTM D-955 (ISO 2577)	3.2mm	0.4-0.6
Flammability		UL-94	FILE NO. E162823	1.5mm HB 3.0mm HB All Color
Characteristics	Metal plating High flow heat resistant			

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

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