

Formosa TAIRILOY AC2508

Formosa TAIRILOY AC2508 is a high - heat - resistance, general - purpose PC - ABS material with FR (flame retardant) properties, achieving an HB rating under UL standards. Ideal for a wide range of applications including racks, mobile phone housings, timers, digital photo frames, and tool handles.

Physical property		Standard	Value	Unit
Density	23°C	ASTM D792	1.11	g/cm ³
Shrinkage	3.2mm	ASTM D955	0.4~0.7	%
Melt Index	240°C 5kg	ASTM D1238	7.5	g/10min
Hardness		Standard	Value	Unit
Rockwell Hardness	R(Scale) 23°C	ASTM D785	114	
Mechanical behavior		Standard	Value	Unit
Tensile Strength	23°C 50mm/min	ASTM D638	560	kg/cm ²
Flexural Strength	23°C 15mm/min	ASTM D790	1000	kg/cm ²
Flexural Modulus	23°C 15mm/min	ASTM D790	25000	kg/cm ²
Izod Notch Impact	23°C 3.2mm	ASTM D256	65	kg-cm/cm
Thermal		Standard	Value	Unit
HDT	Unannealed 1.8MPa 120°C/hr 6.4mm	ASTM D648	104	°C
Flammability		Standard	Value	Unit
Flame Rating	All Color 1.5mm	UL94	HB	
Flame Rating	All Color 3.0mm	UL95	HB	
UL		Standard	Value	Unit
UL FlameRating	ALL 1.5mm	UL94	HB	
UL FlameRating	ALL 3.0mm	UL94	HB	
HWI	ALL 1.5mm	UL 746A	3	PLC
HWI	ALL 3.0mm	UL 746A	3	PLC
HAI	ALL 1.5mm	UL 746A	0	PLC
HAI	ALL 3.0mm	UL 746A	0	PLC
RTI Elec	ALL 1.5mm	UL 746B	60	°C
RTI Elec	ALL 3.0mm	UL 746B	60	°C
RTI Imp	ALL 1.5mm	UL 746B	60	°C
RTI Imp	ALL 3.0mm	UL 746B	60	°C
RTI Str	ALL 1.5mm	UL 746B	60	°C
RTI Str	ALL 3.0mm	UL 746B	60	°C
Comparative Tracking Index		IEC 60112	0	PLC
HVTR		UL 746A	2	PLC
Arc Resistance		ASTM D495	5	PLC