

Formosa TAIRILOY AC2300-B

Formosa TAIRILOY AC2300 - B is a general - purpose PC - ABS material with high gloss, low emissions and low odor characteristics, achieving an HB flame retardancy rating, and is suitable for applications like auto instrument panels, automotive parts, and medical device housings.

Physical property		Standard	Value	Unit
Density	23°C	ASTM D792	1.08	g/cm ³
Shrinkage	3.2mm	ASTM D955	0.4~0.7	%
Melt Index	240°C 5kg	ASTM D1238	8	g/10min
Hardness		Standard	Value	Unit
Rockwell Hardness	R(Scale) 23°C	ASTM D785	111	
Mechanical behavior		Standard	Value	Unit
Tensile Strength	23°C 50mm/min	ASTM D638	480	kg/cm ²
Flexural Strength	23°C 15mm/min	ASTM D790	900	kg/cm ²
Flexural Modulus	23°C 15mm/min	ASTM D790	25000	kg/cm ²
Izod Notch Impact	23°C 3.2mm	ASTM D256	52	kg-cm/cm
Thermal		Standard	Value	Unit
HDT	Unannealed 1.8MPa 120°C/hr 6.4mm	ASTM D648	95	°C
Flammability		Standard	Value	Unit
Flame Rating	BK 1.5mm	UL94	HB	