

Formosa TAIRILOY AC2708-A20A

Formosa TAIRILOY AC2708 - A20A is a PC - ABS material with FR (flame retardant) properties, achieving an HB rating, featuring high impact resistance, and is applicable to automotive interior trims, mobile phone housings, and digital photo frames.

Physical property		Standard	Value	Unit
Density	23°C	ASTM D792	1.13	g/cm ³
Shrinkage	3.2mm	ASTM D955	0.4~0.7	%
Melt Index	240°C 5kg	ASTM D1238	9.3	g/10min

Hardness		Standard	Value	Unit
Rockwell Hardness	R(Scale) 23°C	ASTM D785	120	

Mechanical behavior		Standard	Value	Unit
Tensile Strength	23°C 50mm/min	ASTM D638	630	kg/cm ²
Elongation	Break 23°C 50mm/min	ASTM D638	100	%
Flexural Strength	23°C 15mm/min	ASTM D790	1200	kg/cm ²
Flexural Modulus	23°C 15mm/min	ASTM D790	29000	kg/cm ²
Izod Notch Impact	23°C 3.2mm	ASTM D256	70	kg-cm/cm

Thermal		Standard	Value	Unit
HDT	Unannealed 1.8MPa 120°C/hr 6.4mm	ASTM D648	113	°C

Flammability		Standard	Value	Unit
Flame Rating	All Color 1.5mm	UL94	HB	