

# Formosa TAIRILOY AC2808

Formosa TAIRILOY AC2808 is a PC - ABS material with FR (flame retardant) properties reaching an HB rating, featuring high impact resistance, making it highly suitable for automotive interior trim applications.

Physical property	Standard	Value	Unit
Density 23°C	ASTM D792	1.16	g/cm <sup>3</sup>
Shrinkage 3.2mm	ASTM D955	0.4~0.7	%
Melt Index 260°C 5kg	ASTM D1238	17.4	g/10min
Hardness	Standard	Value	Unit
Rockwell Hardness R(Scale) 23°C	ASTM D785	122	
Mechanical behavior	Standard	Value	Unit
Tensile Strength 23°C 50mm/min	ASTM D638	652	kg/cm <sup>2</sup>
Elongation Break 23°C 50mm/min	ASTM D638	117	%
Flexural Strength 23°C 15mm/min	ASTM D790	1222	kg/cm <sup>2</sup>
Flexural Modulus 23°C 15mm/min	ASTM D790	29000	kg/cm <sup>2</sup>
Izod Notch Impact 23°C 3.2mm	ASTM D256	77	kg-cm/cm
Thermal	Standard	Value	Unit
HDT Unannealed 1.8MPa 120°C/hr 6.4mm	ASTM D648	121	°C
Vicat Softening Temperature Unannealed 50°C/hr 50N	ASTM D1525	136	°C
Vicat Softening Temperature Unannealed 50°C/hr 50N	ISO 306	136	°C
Flammability	Standard	Value	Unit
Flame Rating All Color 1.5mm	UL94	HB	