

Formosa TAIRILOY AC2508-A2NA

Formosa's TAIRILOY AC2508 - A2NA is a general - purpose PC - ABS material with FR (flame retardant) properties, achieving an HB rating, suitable for diverse applications like racks, mobile phone housings, timers, digital photo frames, and tool handles.

Physical property		Standard	Value	Unit
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Density 23°C

ASTM D792

1.11

g/cm³

Shrinkage 3.2mm

ASTM D955

0.4~0.7

%

Melt Index 240°C 5kg

ASTM D1238

7.5

g/10min

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

ASTM D785

114

Mechanical behavior		Standard	Value	Unit
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Tensile Strength 23°C 50mm/min

ASTM D638

550

kg/cm²

Flexural Strength 23°C 15mm/min

ASTM D790

970

kg/cm²

Flexural Modulus 23°C 15mm/min

ASTM D790

25000

kg/cm²

Izod Notch Impact 23°C 3.2mm

ASTM D256

63

kg-cm/cm

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

ASTM D648

104

°C

Flammability		Standard	Value	Unit
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Flame Rating BK 1.5mm

UL94

HB