

Boltaron® 1050

TYPE 1 PVC

GENERAL
THERMOFORMING

Ultra-high quality, corrosion resistant, fire-rated sheet up to 4 in. (102 mm) thick in gray, white and black for fabricating, machining and thermoforming applications. Boltaron® 1050 sheet is a monolithic Type 1 PVC sheet that aids against delamination associated with competitive heavy gauge sheet. It is inert to harsh chemicals across the entire pH range, making it suitable for applications in which acids and caustics are handled. Since it does not ionize like stainless steel and high alloys, it is also ideal for applications involving ultrapure water, reagent-grade chemicals or other contamination-sensitive products.

CHARACTERISTICS

- Normal impact strength
- Custom sizes at low minimums
- Excellent chemical resistance
- Readily machined using conventional tools
- Can be heat welded, adhesive bonded, mechanically fastened

USES

- Fume hoods and ducts
- Machined parts
- Fume scrubbers
- Acid etching machines
- Acid tanks and linings

PERFORMANCE DETAILS

PROPERTIES¹

Specific Gravity (ASTM D792)	1.37
Water Absorption 24 hrs. (ASTM D570)	0.032 %

MECHANICAL

Tensile Strength @ Yield (ASTM D638)	7,400 psi (51 MPa)
Flexural Modulus (ASTM D790)	4.2 x 10 ⁵ psi (2,892 MPa)
Notched Izod Impact (ASTM D256)	1-3 ft. lb./in. (53-160 J/m)
Hardness Shore D (ASTM D2240)	82

THERMAL

Coeff. of Expansion Units x10⁻⁵ (ASTM D696)	2.9 in./in.,°F (5.2 mm/mm,°C)
Heat Deflection Temp. @264 PSI (ASTM D648)	165°F (73.9 °C)

FLAMMABILITY

UL 94	V-0 ²
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¹ All tests at 73°F (22.8°C) in dry conditions unless otherwise noted.
² Values based on minimum thickness of 0.032".

SHEET SIZES

Lengths	to 96 in	2,440 mm
Widths	to 48 in	1,220 mm
Gauges	from 0.032 to 4 in	from 0.81 to 102 mm

Custom Blank sizes, gauges on request

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DESIGN OPTIONS

- Color** Dark Gray, White and Black
- Textures** Smooth on both sides
- Minimum** Low

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RELIABILITY MEETS INNOVATION

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