

# 1165/1165C

## Economical, Fire Rated, PVC/Acrylic Sheet

**Extruded from recycled resin, this UL 94 V-0 rated sheet offers excellent impact resistance, abrasion resistance and economy for general purpose thermoforming and fabricating applications**

Boltaron 1165/1165C is a proprietary, fire retardant PVC/Acrylic sheet that is favorably priced against competitive general purpose, fire rated sheet.

It is extruded using select resin, trim and regrind of high performance Boltaron sheet. As a result, it exhibits qualities that meet or exceed many general thermoforming and fabrication requirements, such as Izod



impact resistance of 10 ft. lbs./in. (530 J/m), broad chemical resistance, extreme abrasion resistance and a UL 94 V-0 fire rating, while reducing cost.

Offered in black and dark gray colors in six surface textures, the sheet is offered in lengths to 120 in. (3048 mm), widths to 60 in. (1524 mm), thicknesses from .040 to .250 in. (1.02 to 6.35 mm) and in custom blank sizes.

Boltaron 1165/1165C is readily thermoformed, yielding uniform wall thickness in deep recesses and sharp outside corners. It is also readily sawn, drilled, tapped, routed and otherwise machined using conventional tools, and can be brake formed (thinner gauges), heat welded, adhesive bonded and mechanically fastened, allowing rapid fabrication of a broad range of high-integrity parts and assemblies.

### APPLICATIONS

- Equipment housings
- Medical device enclosures
- Vending machine components
- Fixtures
- Parts requiring painting

### FEATURES

- Recycled from high performance Boltaron PVC/Acrylic alloys
- Izod Impact resistance of 10 ft. lbs./in. (530 J/m)
- UL 94 V-0 fire rating
- Free of pits, voids, inclusions
- Competitively priced
- Six surface textures
- Black and dark gray colors
- Extreme formability with uniform wall thicknesses
- Gauges from .040 to .250 in. (1.02 to 6.35 mm)
- Lengths to 120 in. (3048 mm), widths to 60 in. (1524 mm)
- Custom blank sizes at low minimums
- Extreme chemical and abrasion resistance
- Readily machined using conventional tools
- Can be heat welded, adhesive bonded, mechanically fastened

*Boltaron 1165/1165C fire rated, recycled sheet for general forming and fabrication offers high performance at competitive prices.*



## TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUES
Specific gravity	ASTM D-792	1.415
Tensile strength (PSI)	ASTM D-638	5,000-5,200
Flexural strength (PSI)	ASTM D-790	8,600-8,800
Flexural modulus (PSI)	ASTM D-790	3.0-3.3 x 10 <sup>5</sup>
Izod impact (Ft. lbs./in. of notch)	ASTM D-256	10 ft. lbs./in.
Hardness Rockwell R	ASTM D-785	108-111
Heat Deflection (°F) 264 PSI (annealed)	ASTM D-648	160
Flammability UL	UL 94	V-0 <sup>1</sup>
Forming Temperature (°F)		335 - 385

<sup>1</sup>Values based on minimum thickness of .047"; UL File # E54688

## AVAILABILITY

Colors: Black and charcoal

Gauges: .040 to .250 in. (1.02 to 6.35 mm)

Widths: Up to 60 in. (1524 mm)

Lengths: Up to 120 in. (3048 mm)

Custom Sizes: Upon request

Textures: Coarse Matte (CM), Felt (FT), Haircell (HC), Levant (LT), Mesa (MS), Suede (SD)

## OTHER BOLTARON UL 94 V-0 RATED, PVC/ACRYLIC ALLOYS FOR GENERAL FORMING AND FABRICATION:

- Boltaron 4332
- Boltaron 4335

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### LIMITATION OF WARRANTY

The application suggestions, specifications and other data described here are based upon experience and information that is believed, by BPP to be reliable. However, BPP makes no express or implied warranty that BOLTARON 1165/1165C will perform in accordance with such specifications in any particular circumstance. Therefore, ALL EXPRESS OR IMPLIED WARRANTIES IN CONNECTION WITH BOLTARON 1165/1165C, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY DISCLAIMED. The prospective user should determine the suitability of BOLTARON 1165/1165C and the application suggestions before actual application.