

4335 Fire Rated Sheet for Thermoforming, Fabricating

High impact, UL 94 V-0 rated PVC/Acrylic sheet delivering exceptional impact resistance, inclusion-free surface quality, unlimited textures/colors and extreme formability

Boltaron 4335 is a proprietary, fire retardant, extruded PVC/Acrylic alloy offering extreme durability, chemical resistance, and a UL 94 V-0 rating while exhibiting exceptional physical properties.

It offers Izod Impact resistance of 18 ft lbs/in (954 J/m), significantly improving the durability of thermoformed components versus FR-ABS and other competitive sheet.

APPLICATIONS

- Medical Device Enclosures
- Electronic Equipment Housings
- Kiosk Housings
- Store Fixtures and Displays
- Kennel Housings



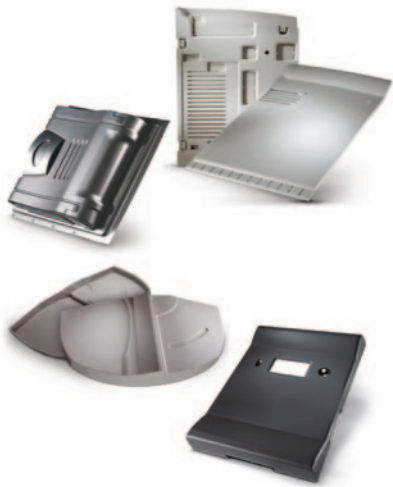
In addition, Boltaron 4335 is non-hygroscopic, eliminating the time and costs associated with pre-drying other thermoplastics.

It also offers other exceptional physical properties, extreme formability and consistent surface quality, and is available in unlimited custom colors with low minimums and fast turnarounds.

As a result, leading thermoformers and original equipment manufacturers seeking an uncompromising combination of formability, durability, chemical resistance, and regulatory compliance specify Boltaron 4335 for thermoformed and fabricated housings, enclosures, and displays.

FEATURES

- Izod Impact resistance of 18 ft lbs/in (953 J/m)
- Inclusion-free surface quality
- Unlimited surface textures with low minimums, no premiums and fast turnaround
- Unlimited colors with low minimums, no premiums and fast turnaround. Lot-to-lot color consistency allows undetectable field replacements
- Extreme formability; allows the sheet to draw readily to the mold, even into deep recesses and sharp corners, maintaining uniform wall thicknesses
- Gauges from .028 to .250 in. (0.71 to 6.35 mm), widths to 60 in. (1524 mm) and lengths to 120 in. (3048 mm) with custom sizes on request



Boltaron 4335 sheet is offered in unlimited colors, and unlimited textures including Felt (FT), Haircell (HC), Mesa (MS), Sand (SA), Suede (SD), Velvet (VT) and Coarse Matte (CM)



TYPICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUES
Specific Gravity	ASTM D-792	1.415
Tensile Strength	ASTM D-638	6,000 PSI (41 Mpa)
Flexural Strength	ASTM D-790	9,200 PSI (63 Mpa)
Flexural Modulus	ASTM D-790	330,000 PSI (2275 Mpa)
Izod Impact (@ 73°F / 23°C)	ASTM D-256	18 ft lbs/in. (953 J/m)
Hardness Rockwell	ASTM D-785	110
Heat Deflection (annealed)	ASTM D-648	161° F @ 264 PSI 72°C @ 1.8 Mpa
Flammability	UL 94 UL 94	V-O, 5VA ¹ V-O, 5VB ² V-O ³
Radiant Panel Flame Spread Index (.125 in./3.18 mm gauge)	ASTM E-162	<10

¹Values based on minimum thickness of 0.118 in. (3.0 mm), UL File #E54688

²Values based on minimum thickness of 0.047 in. (1.2 mm), UL File #E54688

³Values based on minimum thickness of 0.018 in. (.45 mm), UL File #E54688

THERMOFORMING PARAMETERS

Mold Shrinkage	0.5 - 0.7 in./in.
Forming Temperature	335 - 370°F / 168 - 185°C
Typical Heater Settings	30 - 50% Top, 50 - 70% Bottom
Drying	Not required

OTHER BOLTARON UL-94 V-0 RATED, THERMOFORMABLE GRADES

- Boltaron 1165/1165C
- Boltaron 4205
- Boltaron 4300
- Boltaron 6530
- Boltaron 6540
- Boltaron 6800



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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 4335 will perform in accordance with such specifications in any particular circumstance. Therefore, ALL EXPRESS OR IMPLIED WARRANTIES IN CONNECTION WITH BOLTARON 4335, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY DISCLAIMED. The prospective user should determine the suitability of BOLTARON 4335 and the application suggestions before actual application.