

4330 FAR Rated High Impact Sheet

The aircraft-rated PVC/Acrylic sheet delivering exceptional impact resistance, inclusion-free quality, unlimited textures/ colors and extreme formability

Boltaron 4330 is a proprietary, fire retardant, extruded PVC/Acrylic alloy for aircraft interior components that offers a UL 94 V-0 rating and meets stringent FAA flammability requirements while exhibiting exceptional physical properties.

It offers Izod Impact resistance of 18 ft lbs/in. (953 J/m), significantly improving the durability of thermoformed aircraft interior components.

APPLICATIONS

- Class dividers
- Dashboard enclosures
- Galley components
- Lavatory components
- Bull noses
- Video screen bezels
- Personal service units (PSUs)
- Gap covers
- Seat parts
- Sidewall panels
- Tray tables
- Window shades
- Air ducts
- Bulkhead laminates
- Light housings
- Window reveals
- Moldings



It also offers other exceptional physical properties, extreme formability and consistent surface quality, and is available in an unlimited range of colors and textures.

As a result, Boltaron 4330 is specified by the world's leading commercial, military and private aircraft and helicopter

manufacturers, carriers and interior refurbishing contractors, for thermoformed, fabricated and machined interior components of unequalled durability and appearance.

(For aircraft parts larger than 1 sq ft (305 sq mm) requiring an OSU 65/65 rating, please specify Boltaron 9815E sheet)

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 4330 sheet is offered in unlimited colors, and unlimited textures including Felt (FT), Haircell (HC), Mesa (MS), Sand (SA), Suede (SD), Velvet (VT), Levant (LT) and Coarse Matte (CM)





PROPERTIES/FAR RATINGS

PROPERTY	TEST METHOD	TYPICAL VALUES
Specific Gravity	ASTM D-792	1.415
Tensile Strength	ASTM D-638	5,400 PSI (37 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	FAR 25.853 A1,(i) FAR 25.853 A1,(ii)	PASS ALL PASS ALL
UL	UL-94 UL-94	V-0, 5VA ¹ V-0, 5VB ²
Radiant Panel Flame Spread Index (.125 in. / 3.18 mm gauge)	ASTM E-162	<10

¹ Values based on minimum thickness of .118 in. (3.0 mm), UL File #E54688

² Values based on minimum thickness of .047 in. (1.2 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

Take the compromise out of FAR compliance with Boltaron 4330

BOLTARON

Boltaron Performance Products, LLC.

One General Street
Newcomerstown, Ohio 43832 USA

1 800 342 7444

info@boltaron.com
www.boltaron.com

OTHER BOLTARON FAR RATED GRADES:

- Boltaron 4205
- Boltaron 4300
- Boltaron 4350
- Boltaron 4800
- Boltaron 6530
- Boltaron 6540
- Boltaron 6800
- Boltaron 6800E
- Boltaron 9200/9200C
- Boltaron 9230/9230C
- Boltaron 9250/9250C
- Boltaron 9815
- Boltaron 9815E
- Boltaron 9815F
- Boltaron 9815M
- Boltaron 9816
- Boltaron 9915