

# Boltaron® 4330L Lightweight

FAR RATED LIGHTWEIGHT SHEET

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S E R I E S

## PERFORMANCE DETAILS

### FAR RATINGS

FAR 25.853(a)(i) (Flammability) (Vertical burn, 60 sec) Pass  
FAR 25.853(a)(ii) (Flammability) (Vertical burn, 12 sec) Pass

### PROPERTIES

<b>Specific Gravity</b> (ASTM D792)	1.21
<b>Tensile Strength</b> (ASTM D638)	3,200 psi (22 MPa)
<b>Flexural Strength</b> (ASTM D790)	5,900 psi (41 MPa)
<b>Flexural Modulus</b> (ASTM D790)	250,000 psi (1,730 MPa)
<b>Gardner Drop Dart Impact</b> (ASTM D54201)	100 in-lb (1.6 J)
<b>Hardness Rockwell</b> (ASTM D785)	90
<b>Heat Deflection Annealed</b> (ASTM D648)	151 °F @ 264 psi (66 °C @ 1.8 MPa)

\*Independent lab tests. All tests at 73 °F (23 °C) in dry conditions unless otherwise noted.

### QUALITY CHARACTERISTICS

- Offers substantial weight savings
- Uniform high quality appearance
- Wall thickness integrity in deep draw forming
- Full range of colors, widest range of textures
- Low minimums
- Lot-to-lot color consistency

### USES

**Aircraft interiors:** instrument panel housings, class dividers, bulkhead laminates, galley and lavatory components, bull noses, gap covers, moldings, sidewall and kick panels, window reveals, seat parts, backs, tray tables, passenger service units (PSUs), light housings, air ducts, video monitor shrouds, life vest shrouds **Electrical applications:** equipment enclosures, housings, medical, analytical equipment, insulating panels

### SHEET SIZES

<b>Lengths</b>	to 120 in (3,048 mm)
<b>Widths</b>	to 60 in (1,524 mm)
<b>Gauges</b>	from 0.028 to 0.250 in (0.71 to 6.35 mm)
<b>Custom</b>	Blank sizes, gauges on request

### THERMOFORMING PARAMETERS

<b>Mold Shrinkage</b>	0.5 - 0.7%
<b>Forming Temperature</b>	335 - 370 °F (168 - 188 °C)
<b>Typical Heater Settings (Top)</b>	30 - 50%
<b>Typical Heater Settings (Bottom)</b>	50 - 70%
<b>Drying</b>	Not required

### DESIGN OPTIONS

<b>Colors</b>	Unlimited
<b>Textures</b>	Wide range available
<b>Minimum</b>	500 lb

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LIGHTWEIGHT

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RELIABILITY MEETS INNOVATION