

Boltaron® 4330L Lightweight

FAR RATED LIGHTWEIGHT SHEET

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S E R I E S

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

AIRCRAFT INTERIOR USES

- Instrument panel housings
- Class dividers, bulkhead laminates
- Galley and lavatory components
- Bull noses, gap covers, moldings
- Sidewall and kick panels, seat parts

ELECTRICAL USES

- Equipment enclosures
- Housings
- Medical
- Analytical equipment
- Insulating panels

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

Specific Gravity (ASTM D792)	1.21	
Tensile Strength (ASTM D638)	3,200 psi	22 MPa
Flexural Strength (ASTM D790)	5,900 psi	41 MPa
Flexural Modulus (ASTM D790)	250,000 psi	1,730 MPa
Gardner Drop Dart Impact (ASTM D54201)	100 in-lb	11.3 J
Hardness Rockwell (ASTM D785)	90	
Heat Deflection Annealed (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.

SHEET SIZES

Lengths	to 120 in	3,048 mm
Widths	to 60 in	1,524
Gauges	from 0.028 to 0.25 in	from 0.71 to 6.35 mm

Custom Blank sizes, gauges on request

THERMOFORMING GUIDELINES

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

4330L
LIGHTWEIGHT

DESIGN OPTIONS

Color Unlimited
Textures Wide range available
Minimum 500 lb

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www.boltaron.com | +1 800 342 7444

RELIABILITY MEETS INNOVATION

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