

Boltaron® 4330

FAR AND UL RATED ULTRA-HIGH IMPACT 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

Specific Gravity (ASTM D792)	1.415
Tensile Strength (ASTM D638)	5,400 psi (37 MPa)
Flexural Strength (ASTM D790)	9,200 psi (63 MPa)
Flexural Modulus (ASTM D790)	330,000 psi (2,275 MPa)
Izod Impact (notched) @ 73 °F (23 °C) (ASTM D256)	18 ft-lb/in (953 J/m)
Hardness Rockwell (ASTM D785)	110
Heat Deflection Annealed (ASTM D648)	161 °F @ 264 psi (72 °C @ 1.8 MPa)
Radiant Panel Flame Spread Index (ASTM E162)	(0.125 in/3.18 mm gauge) <10
Flammability (UL 94)	V-0, 5VA ¹ and V-0, 5VB ²

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

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

QUALITY CHARACTERISTICS

Izod impact 18 ft-lb/in (953 J/m)

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

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

THERMOFORMING PARAMETERS

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

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4330
HIGH IMPACT

DESIGN OPTIONS

Colors	Unlimited
Textures	Wide range available
Effects	Metallic or True Pearl
Images	Impress Prints
Minimum	500 lb

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RELIABILITY MEETS INNOVATION