

# Boltaron® 4330

FAR AND UL RATED ULTRA-HIGH IMPACT SHEET

4 0 0 0  
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)	1.415
<b>Tensile Strength</b> (ASTM D638)	5,400 psi (37 MPa)
<b>Flexural Strength</b> (ASTM D790)	9,200 psi (63 MPa)
<b>Flexural Modulus</b> (ASTM D790)	330,000 psi (2,275 MPa)
<b>Izod Impact (notched) @ 73 °F (23 °C)</b> (ASTM D256)	18 ft-lb/in (953 J/m)
<b>Hardness Rockwell</b> (ASTM D785)	110
<b>Heat Deflection Annealed</b> (ASTM D648)	161 °F @ 264 psi (72 °C @ 1.8 MPa)
<b>Radiant Panel Flame Spread Index</b> (ASTM E162)	(0.125 in/3.18 mm gauge) <10
<b>Flammability</b> (UL 94)	V-0, 5VA <sup>1</sup> and V-0, 5VB <sup>2</sup>

<sup>1</sup>Values based on minimum thickness of 0.118 in (3.0 mm), UL File #E54688

<sup>2</sup>Values 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

<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

DISCLAIMER AND LIMITATION OF WARRANTY: All information contained herein is believed by SIMONA BOLTARON Inc. to be reliable. Typical properties are based on laboratory tests conducted on material samples in accordance with standard test methodology. SIMONA BOLTARON Inc. makes no express or implied warranty that its products will perform in accordance with the data in all conditions and circumstances. To determine suitability for use, users must test applications under actual operating conditions. As a result, ALL EXPRESS OR IMPLIED WARRANTIES IN CONNECTION WITH SIMONA BOLTARON Inc. PRODUCTS INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY DISCLAIMED.  
MS 05/01

4330  
HIGH IMPACT

### DESIGN OPTIONS

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

**SIMONA**  
**bolton**

www.boltaron.com | +1 800 342 7444

RELIABILITY MEETS INNOVATION