

# Boltaron® 6530

FAR AND UL 94 V-0 RATED HIGH IMPACT RESISTANT SHEET

GENERAL  
THERMOFORMING

## CHARACTERISTICS

- High impact and tensile strength
- Meets FAR and UL 94 V-0 criteria
- Maintains wall thickness in deep draw forming
- Full range of custom colors, textures at low minimums

## USES

- Aircraft interior components
- Electrical enclosures and housings
- Medical and analytical equipment

## 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)	1.38	
<b>Tensile Strength</b> (ASTM D638)	6,200 psi	42.8 MPa
<b>Flexural Strength</b> (ASTM D790)	9,400 psi	64.9 MPa
<b>Flexural Modulus</b> (ASTM D790)	330,000 psi	2,275 MPa
<b>Izod Impact Notched</b> (ASTM D256)	73 °F 10 ft-lb/in	23 °C 534 J/m
<b>Hardness Rockwell</b> (ASTM D785)	108-111	
<b>Heat Deflection Annealed</b> (ASTM D648)	161°F @ 264 psi	72°C @ 1.82 MPa

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

### FLAMMABILITY

<b>UL 94</b>	V-0, 5VA <sup>1</sup> , 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

### 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 0.25 in	from 0.71 to 6.35 mm

**Custom** Blank sizes, gauges on request

### THERMOFORMING GUIDELINES

<b>Forming Temperature</b>	335 - 365°F	168 - 185°C
----------------------------	-------------	-------------

6530  
HIGH IMPACT

### DESIGN OPTIONS

- Colors** Unlimited
- Textures** Wide range available
- Minimum** 500 lb

**SIMONA**  
**boltaron**

www.boltaron.com | +1 800 342 7444

RELIABILITY MEETS INNOVATION

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. RI 5.29.20