

# Boltaron® 6540

FAA FLAMMABILITY ALLOY

GENERAL  
THERMOFORMING

## CHARACTERISTICS

- Fire retardant
- Extruded ABS/PVC alloy
- Excellent impact strength
- Abrasion and chemical resistance

## USES

- Aircraft interior components
- Equipment housings
- Medical products

## 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)	1.32	
<b>Tensile Strength</b> (ASTM D638)	6,300 psi	43 MPa
<b>Flexural Strength</b> (ASTM D790)	10,000 psi	68.95 MPa
<b>Flexural Modulus</b> (ASTM D790)	370,000 psi	2,551 MPa
<b>Izod Impact Notched</b> (ASTM D256)	73 °F 7-10 ft-lb/in	23 °C 374-534 J/m
<b>Hardness Rockwell</b> (ASTM D785)	110	
<b>Heat Deflection Annealed</b> (ASTM D648)	165 °F @ 264 psi	73.9 °C @ 1.82 MPa

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

### 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

### FLAMMABILITY

<b>UL 94</b>	V-0, 5VA <sup>1</sup> , 5VB <sup>2</sup>
<b>Radiant Panel Flame Spread Index</b> (E162) @0.093 in.	Pass
<b>FMVSS</b> (FMVSS 302)	Pass

<sup>1</sup>Values based on minimum thickness of .133", UL File # E54688.

<sup>2</sup>Values based on minimum thickness of .047", UL File # E54688.

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### DESIGN OPTIONS

**Colors** Unlimited  
**Textures** Wide range available  
**Minimum** 1,000 lb

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RELIABILITY MEETS INNOVATION

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