

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

Specific Gravity (ASTM D792)	1.32	
Tensile Strength (ASTM D638)	6,300 psi	43 MPa
Flexural Strength (ASTM D790)	10,000 psi	68.95 MPa
Flexural Modulus (ASTM D790)	370,000 psi	2,551 MPa
Izod Impact Notched (ASTM D256)	73 °F 7-10 ft-lb/in	23 °C 374-534 J/m
Hardness Rockwell (ASTM D785)	110	
Heat Deflection Annealed (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

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

Custom Blank sizes, gauges on request

FLAMMABILITY

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

¹Values based on minimum thickness of .133", UL File # E54688.

²Values based on minimum thickness of .047", UL File # E54688.

6540
FAA FLAMMABILITY

DESIGN OPTIONS

Colors Unlimited

Textures Wide range available

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 5.13.24