

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

Specific Gravity (ASTM D792)	1.38	
Tensile Strength (ASTM D638)	6,200 psi	42.8 MPa
Flexural Strength (ASTM D790)	9,400 psi	64.9 MPa
Flexural Modulus (ASTM D790)	330,000 psi	2,275 MPa
Izod Impact Notched (ASTM D256)	73 °F 10 ft-lb/in	23 °C 534 J/m
Hardness Rockwell (ASTM D785)	108-111	
Heat Deflection Annealed (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

UL 94	V-0, 5VA ¹
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¹Values based on minimum thickness of 0.047 in. (1.2mm), UL File# E54688

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

THERMOFORMING GUIDELINES

Forming Temperature	335 - 365°F	168 - 185°C
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6530
HIGH IMPACT

DESIGN OPTIONS

Colors Unlimited
Textures Wide range available
Minimum 500 lb

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RELIABILITY MEETS INNOVATION