

# BOLTARON® 6530

## FAR and UL 94 V-0 Rated High Impact Resistant Sheet

Boltaron® 6530 is a proprietary extruded thermoplastic alloy sheet that meets stringent FAR and UL 94 V-0 flammability criteria. It offers high-impact strength, resists abrasion and withstands a wide range of chemicals. It also thermoforms easily and consistently.

### PROPERTIES, RATINGS

PROPERTY	TEST METHOD*	TYPICAL VALUES	
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) @ 73 °F (23 °C)	ASTM D256	10 ft-lb/in.	534 J/m
Hardness Rockwell	ASTM D785	108–111	
Heat Deflection (annealed)	ASTM D648	161 °F @ 264 psi	72 °C @ 1.8 MPa
Flammability - UL	UL 94	V-0, 5VA <sup>1</sup>	V-0, 5VB <sup>2</sup>
FAR RATINGS			
Flammability			
Vertical burn, 60 sec	FAR 25.853(a)(i)	PASS	
Vertical burn, 12 sec	FAR 25.853(a)(ii)	PASS	
FORMING TEMPERATURE			
	—	335–365 °F	168–185 °C

<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 (22.8 °C) in dry conditions unless otherwise noted.

### Advantages

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

### Applications

Aircraft interior components  
Electrical enclosures and housings  
Medical and analytical equipment

### Configurations

Sheet sizes

- Lengths to 120 in. (3,048 mm)
- Widths to 60 in. (1,524 mm)
- Gauges from 0.028 to 0.250 in. (0.71 to 6.35 mm)
- Custom sizes, gauges on request

Colors, textures

- Full range of colors
- Industry's widest range of textures
- 500 lb minimum

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