

# Boltaron® 9815 with a Metallic Effect

THERMOFORMABLE FAR-RATED SHEET WITH METALLIC FINISH

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S E R I E S

## CHARACTERISTICS

- Deeper, richer, more durable metallic finish
- Outstanding impact and scratch resistance
- Uniform high quality appearance
- Wall thickness integrity in deep draw forming
- Custom textures and colors
- Lot-to-lot texture and color consistency

## USES

- Instrument panel housings and air ducts
- Class dividers and bulkhead laminates
- Galley and lavatory components
- Bull noses, gap covers and moldings
- Sidewall, kick panels and window reveals
- Seat parts, backs, arm rests, tray tables

## 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
FAR 25.853(d)(Part IV)	(OSU Heat Release) (Peak - HRR, kW/m <sup>2</sup> <65) (2 Min - HRR, kW min/m <sup>2</sup> <65)
FAR 25.853(d)(Part V)	(NBS Smoke) (Ds Max <200)

### PROPERTIES

Specific Gravity (ASTM D792)	1.574	
Tensile Strength @ yield (ASTM D638)	5,500 psi	38 MPa
Flexural Strength (ASTM D790)	8,700 psi	60 MPa
Flexural Modulus @ yield (ASTM D790)	410,000 psi	2,827 MPa
Izod Impact Notched (ASTM D256)	73 °F 5.0 ft-lb/in	23 °C 265 J/m
Rockwell Hardness R-scale (ASTM D785)	107	
Heat Deflection Annealed (ASTM D648)	197 °F @264 psi	91.7 °C @1.8 MPa
Thermal Expansion (ASTM D696)	1.67 x 10 <sup>-5</sup> /°F	3 x 10 <sup>-5</sup> /°C

\* 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 48 in	1,219 mm
Gauges	from 0.040 to 0.250 in	from 1.02 to 6.35 mm
Custom Blank sizes, gauges on request		



### DESIGN OPTIONS

- Colors Unlimited
- Textures Wide range available
- Effects Metallic
- Minimum 500 lb



www.boltaron.com | +1 800 342 7444  
RELIABILITY MEETS INNOVATION

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