

# Boltaron® 9815 with an Extruded Texture

FAR RATED HIGH IMPACT SHEET FOR AIRCRAFT INTERIORS

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S E R I E S

## 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 <65) (2 Min - HRR, kW/m <sup>2</sup> <65)
FAR 25.853(d)(Part V)	(NBS Smoke) (Ds @ 1.5 min <100) (Ds @ 4 min <200)

### PROPERTIES

<b>Specific Gravity</b> (ASTM D792)	1.490
<b>Tensile Strength</b> (ASTM D638)	5,500 psi (38 MPa)
<b>Flexural Strength</b> (ASTM D790)	8,700 psi (60 MPa)
<b>Flexural Modulus</b> (ASTM D790)	410,000 psi (2,827 MPa)
<b>Izod Impact (notched) @ 73 °F (23 °C)</b> (ASTM D256)	5.0 ft-lb/in (265 J/m)
<b>Hardness Rockwell</b> (ASTM D785)	107
<b>Heat Deflection Annealed</b> (ASTM D648)	170 °F @ 264 psi (77 °C @ 1.8 MPa)
<b>Thermal Expansion</b> (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.

### QUALITY CHARACTERISTICS

- Outstanding impact resistance
- Uniform high quality appearance
- Wall thickness integrity in deep draw forming
- Full range of colors, finishes
- Lot-to-lot color consistency

### USES

Instrument panel housings, class dividers, bulkhead laminates, galley and lavatory components, bull noses, gap covers, moldings, sidewall and kick panels, window reveals, seat parts, backs, arm rests, tray tables, passenger service units (PSUs), light housings, video monitor shrouds, life vest shrouds, air ducts

### SHEET SIZES

<b>Lengths</b>	to 120 in (3,048 mm)
<b>Widths</b>	to 60 in (1,524 mm)
<b>Gauges</b>	from 0.040 to 0.250 in (1.02 to 6.35 mm)
<b>Custom</b>	Blank sizes, gauges on request

### THERMOFORMING GUIDELINES

<b>Mold Shrinkage</b>	0.5 - 0.7%
<b>Forming Temperature</b>	335 - 370 °F (168 - 188 °C)
<b>Typical Heater Settings (Top)</b>	30 - 50%
<b>Typical Heater Settings (Bottom)</b>	50 - 70%
<b>Drying</b>	Not required

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### DESIGN OPTIONS

<b>Colors</b>	Unlimited
<b>Textures</b>	Wide range available
<b>Effects</b>	True Pearl
<b>Images</b>	Impress Prints
<b>Minimum</b>	CM Coarse Matte FM Falmouth FT Felt HC Haircell LV Levant MS Mesa SD Suede SI Stipple VH Velour High Gloss VL Velour

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