

# Boltaron® 9815 with a Pearlescent Effect

FAR RATED PEARL EFFECT SHEET

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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 Max <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
- Deeper, richer durable pearlescent finish
- Uniform high quality appearance
- Wall thickness integrity in deep draw forming
- Full range of pearlescent colors, finishes
- Low minimums
- 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>Extruded Texture</b>	<b>Pressed Texture</b>
<b>Lengths</b>	to 120 in (3,048 mm)	99 or 122 in (2,514 or 3,099 mm)
<b>Widths</b>	to 60 in (1,524 mm)	50 in (1,270 mm)
<b>Gauges</b>	from 0.040 to 0.250 in (1.02 to 6.35 mm)	from 0.040 to 0.250 in (1.02 to 6.35 mm)
<b>Custom</b>	Blank sizes, gauges on request	Blank sizes, gauges on request

### DESIGN OPTIONS

<b>Colors</b>	Unlimited
<b>Textures</b>	Wide range available
<b>Effects</b>	True Pearl
<b>Minimum</b>	500 lb

### THERMOFORMING PARAMETERS

<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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TRUE PEARL

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RELIABILITY MEETS INNOVATION