

# Boltaron® 9815 with a Decorative Print

FAR RATED SHEET WITH AN EMBEDDED DESIGN

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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

Wide range of decorative patterns include simulated fabrics, woodgrains, abstracts  
Outstanding impact resistance  
Uniform high quality appearance  
Wall thickness integrity in deep draw forming  
Custom textures and colors at 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>Lengths</b>	Variable per design
<b>Widths</b>	Variable per design
<b>Gauges</b>	from 0.040 to 0.250 in (1.02 to 6.35 mm)

### MEMBRANE PRESSING TYPICAL 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

9815D  
DECORATIVE

### DESIGN OPTIONS

<b>Colors</b>	Unlimited
<b>Textures</b>	Wide range available
<b>Images</b>	Impress Prints
<b>Finish</b>	Matte or High Gloss
<b>Minimum</b>	500 lb

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www.boltaron.com | +1 800 342 7444

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