

Boltaron® 9815 with an Extruded Texture

FAR RATED HIGH IMPACT SHEET FOR AIRCRAFT INTERIORS

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S E R I E S

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 and air ducts
- Class dividers and bulkhead laminates
- Galley and lavatory components
- Bull noses, gap covers and moldings
- Aircraft seating components

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 ² <65) (2 Min - HRR, kW min/m ² <65)
FAR 25.853(d)(Part V)	(NBS Smoke) (Ds Max <200)

PROPERTIES

Specific Gravity (ASTM D792)	1.49	
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)	170 °F @264 psi	77 °C @1.8 MPa
Thermal Expansion (ASTM D696)	7.1 x 10 ⁻⁵ /°F	3.9 x 10 ⁻⁵ /°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 60 in	1,524 mm
Gauges	from 0.040 to 0.250 in	from 1.02 to 6.35 mm
Custom	Blank sizes, gauges on request	

THERMOFORMING PARAMETERS

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

Attention: Avoid using cleaners containing quaternary ammonium compounds. In some cases, disinfectants containing quaternary ammonium compounds (QACs) could cause discoloration when left on at elevated temperatures and should be avoided for use on this grade of Boltaron material. For a full cleaning guide, visit www.boltaron.com/cleaning-and-disinfecting.

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DESIGN OPTIONS

Colors	Unlimited
Textures	CM, FT, HC, LV, MS, SD, VH, VL
Effects	True Pearl
Images	Impress Prints
Minimum	500 lb

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RELIABILITY MEETS INNOVATION