

Boltaron® 9815 Film

FAR RATED HIGH IMPACT RESISTANT FILM AND THIN-GAUGE SHEET

9 0 0 0
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 ² <65)
FAR 25.853(d)(Part V)	(NBS Smoke) (Ds Max <200)

PROPERTIES

Specific Gravity (ASTM D792)	1.490
Tensile Strength (ASTM D638)	5,500 psi (38 MPa)
Flexural Strength (ASTM D790)	8,700 psi (60 MPa)
Flexural Modulus (ASTM D790)	410,000 psi (2,827 MPa)
Izod Impact (notched) @ 73°F (23°C) (ASTM D256)	5.0 ft-lb/in (265 J/m)
Hardness Rockwell (ASTM D785)	107
Heat Deflection Annealed (ASTM D648)	170 °F @ 264 psi (77 °C @ 1.8 MPa)
Thermal Expansion (ASTM D696)	1.67 X 10 ⁻⁵ / °F (3 X 10 ⁻⁵ / °C)

* Independent lab tests. * All tests at 73 °F (23 °C) in dry conditions unless otherwise noted.

QUALITY CHARACTERISTICS

Can be laminated to flat or three-dimensional metal, FRP or thermoplastic substrates
Uniform high quality appearance
Full color range
Lot-to-lot color consistency

USES

Class dividers, bulkhead laminates, galley and lavatory components, bull noses, gap covers and moldings, sidewall and kick panels, window reveals, tray tables, passenger service units (PSUs), light housings, video monitor shrouds, life vest shrouds, air ducts

SHEET SIZES

Lengths	to 120 in (3,048 mm)
Widths	to 60 in (1,524 mm)
Gauges	from 0.010 to 0.040 in (0.25 to 1.02 mm)
Rolls	Available on request in gauges ≤ 0.040 in (1.02 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 (Top)	30 - 50%
Typical Heater Settings (Bottom)	50 - 70%
Drying	Not required

FILM
9815

DESIGN OPTIONS

Colors	Unlimited
Textures	Abrasion Resistant (AR) complements 9815E Sand (SA) Matte/Matte Complements 9815E Coarse Matte(CM)
Minimum	500 lb

DISCLAIMER AND LIMITATION OF WARRANTY: All information contained herein is believed by SIMONA BOLTARON Inc. to be reliable. Typical properties are based on laboratory tests conducted on material samples in accordance with standard test methodology. SIMONA BOLTARON Inc. makes no express or implied warranty that its products will perform in accordance with the data in all conditions and circumstances. To determine suitability for use, users must test applications under actual operating conditions. As a result, ALL EXPRESS OR IMPLIED WARRANTIES IN CONNECTION WITH SIMONA BOLTARON Inc. PRODUCTS INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY DISCLAIMED.

MS 06/27

SIMONA
boltaron

www.boltaron.com | +1 800 342 7444

RELIABILITY MEETS INNOVATION