



SIMONA
bolton

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RELIABILITY MEETS INNOVATION

Material Innovations
SOFT TOUCH

This flexible sheet is ideal for aircraft seat and other interior components where passenger comfort is desirable. The extreme ductility of the material allows for the design of leather-like parts with enhanced safety features and a unique feel.

Boltaron® 8830

SOFT TOUCH, FLEXIBLE FIRE RATED SHEET

8000
SERIES

PERFORMANCE DETAILS

FAR RATINGS

FAR 25.853(a)(i)	(Flammability)(Vertical burn, 60 sec) Pass
FAR 25.853(a)(ii)	(Flammability)(Vertical burn, 60 sec) Pass

PROPERTIES

Specific Gravity (ASTM D792)	1.3
Hardness Shore A (ASTM 2240)	85
Abrasion Resistance (grams lost) (ASTM D4060)	0.0046
Moisture Absorbtion (% increase in weight) (ASTM D570)	0.3
Tensile Elongation (%) (ASTM D638)	306
Radiant Panel Flame Spread Index (ASTM E162)	(0.125 in/3.18 mm gauge)

* 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 0.028 to 0.250 in (.71 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 (Top)	30 - 50%
Typical Heater Settings (Bottom)	50 - 70%
Drying	Not required

DESIGN OPTIONS

Colors	Unlimited
Textures	Wide range available

8830
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