

Boltaron® 9250/9250C

FAR RATED HIGH TEMPERATURE-RESISTANT LIGHT BLOCKING SHEET

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S E R I E S

Boltaron® 9250/9250C are proprietary, thin gauge thermoplastic sheet products that combine maximum light-blocking characteristics with high temperature resistance for aircraft window shades. 9250 is a single color sheet, and 9250C features a double color construction. They offer durability and uniform thermoforming characteristics, and resist abrasion, stains and many chemicals. Both also meet stringent FAR flammability criteria.

CHARACTERISTICS

- Maximum light-blocking in thin gauges
- Meets FAR flame test criteria
- Single and double color construction

USES

- Aircraft window shades

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

PROPERTIES

Specific Gravity (ASTM D792)	1.47	
Tensile Strength (ASTM D638)	7,400 psi	51 MPa
Flexural Strength (ASTM D790)	11,000 psi	75.9 MPa
Flexural Modulus (ASTM D790)	380,000 psi	2,620 MPa
Izod Impact Notched (ASTM D256)	73 °F 2.0 ft-lb/in	23 °C 106.8J/m
Hardness Rockwell (ASTM D785)	119	
Heat Deflection Annealed (ASTM D648)	200-205 °F @264 psi	93-96 °C @1.8 MPa
Thermal Expansion (ASTM D696)	1.67x10 ⁻⁵ /°F	3x10 ⁻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 48 in	1,220 mm
Gauges	from 0.047 to 0.060 in	from 1.02 to 1.52 mm

Custom Blank sizes, gauges on request

THERMOFORMING GUIDELINES

Forming Temperature	380-420 °F (193-215°C)
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9250
LIGHT BLOCKING

DESIGN OPTIONS

Colors Unlimited
Textures Wide range available
Minimum 500 lb

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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