

BOLTARON® 9250; 9250C

FAR-Rated High Temperature-Resistant Light-Blocking Sheet

Boltaron 9250 and 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.

PROPERTIES

PROPERTY	TEST METHOD*	TYPICAL VALUES	
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) @ 73°F (23°C)	ASTM D256	2 ft-lb/in.	106.8 J/m
Hardness Rockwell	ASTM D785	119	
Heat Deflection (annealed)	ASTM D648	200–205°F @ 264 psi	93–96°C @ 1.8 MPa
FAR RATINGS			
Flammability			
Vertical burn, 60 sec	FAR 25.853(a)(i)	PASS	
Vertical burn, 12 sec	FAR 25.853(a)(ii)	PASS	
FORMING TEMPERATURE	—	380–420°F	193–215°C

*Independent lab tests. All tests at 73°F (22.8°C) in dry conditions unless otherwise noted.

Advantages

- Maximum light-blocking in thin gauges
- High temperature resistance
- Meet FAR flame test criteria
- Single and double color construction

Applications

- Aircraft window shades

Configurations

- Sheet sizes
 - Lengths to 120 in. (3,048 mm)
 - Widths to 48 in. (1,220 mm)
 - Gauges from 0.047 to 0.060 in. (1.2 to 1.52 mm)
 - Custom sizes on request
- Colors, textures
 - Full range of colors
 - Industry's widest range of textures
 - 500 lb minimum

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