

BOLTARON® 9200; 9200C

FAR-Rated High Light-Blocking Thin Gauge Sheet

Boltaron 9200 and 9200C are proprietary, thin gauge thermoplastic sheet products that offer maximum light-blocking characteristics for aircraft window shades. 9200 is a single color sheet, and 9200C features a double color construction. They offer durability and uniform thermoforming characteristics, and resist abrasion, stains and many chemicals. Both meet stringent FAR criteria for flammability, smoke generation and heat release.

PROPERTIES

| PROPERTY | TEST METHOD* | TYPICAL VALUES | |
|-------------------------------------|-------------------|--------------------|-------------------|
| Specific Gravity | ASTM D792 | 1.49 | |
| Tensile Strength | ASTM D638 | 6,400 psi | 44.2 MPa |
| Flexural Strength | ASTM D790 | 10,500 psi | 72.5 MPa |
| Flexural Modulus | ASTM D790 | 460,000 psi | 3,172 MPa |
| Izod Impact (notched) @ 73°F (23°C) | ASTM D256 | 2 ft-lb/in. | 106.8 J/m |
| Hardness Rockwell | ASTM D785 | 115 | |
| Heat Deflection (annealed) | ASTM D648 | 172°F @ 264 psi | 78°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 | |
| OSU Heat Release | FAR 25.853(d) | | |
| Peak - HRR, kW/m ² | (Part IV) | <65 | |
| 2 Min - HRR, kW-min/m ² | | <65 | |
| NBS Smoke | FAR 25.853(d) | | |
| Ds @ 1.5 Min | (Part V) | <100 | |
| Ds @ 4 Min | | <200 | |
| FORMING TEMPERATURE | — | 335–365°F | 168–185°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
- Meets FAR flame test criteria
- Single and double color construction
- Tough, durable in use

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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Boltaron Inc.
 1 General Street
 Newcomerstown, OH 43832
 Phone 1 740 498 5900
 (US) 1 800 342 7444
 Fax 1 740 498 5448
 info@boltaron.com
 www.boltaron.com