

Boltaron® 4380

HIGH HDT FOR AEROSPACE

4 0 0 0
S E R I E S

CHARACTERISTICS

- Meets FAR 25.853 (a)
- High Heat Distortion Temperature
- Low minimums
- Wall thickness integrity in deep draw forming
- Full range of colors
- Available in a wide range of textures

AIRCRAFT INTERIOR USES

- Instrument panel housings
- Seat parts
- Class dividers, bulkhead laminates
- Sidewall and kick panels
- Galley and lavatory components
- Bull noses, gap covers, moldings

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) | 1.30 | |
| Tensile Strength @ yield (ASTM D638) | 5,400 psi | 37 MPa |
| Flexural Strength (ASTM D790) | 9,800 psi | 68 MPa |
| Flexural Modulus (ASTM D790) | 330,000 psi | 2,275 MPa |
| Izod Impact Notched (ASTM D256) | 73 °F 5.0 ft-lb/in | 23 °C 265 J/m |
| Heat Deflection Annealed (ASTM D648) | 180 °F @264 psi | 82.2 °C @1.8 MPa |
| Rockness Hardness R-scale (ASTM D785) | 111 | |

Independent lab tests. All tests at 73°F (23°C) in dry conditions on .156 inch thickness.

SHEET SIZES

| | | |
|----------------|--------------------------------|------------------------|
| Lengths | to 120 in (3,048 mm) | |
| Widths | to 60 in (1,524 mm) | |
| Gauges | from 0.04 to 0.25 in | from 1.0 to 6.35 mm |
| Custom | Blank sizes, gauges on request | |

4380

DESIGN OPTIONS

Color Unlimited
Textures Wide range available

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. RI 4.24.25

SIMONA
boltaron

www.boltaron.com | +1 800 342 7444

RELIABILITY MEETS INNOVATION