

# Boltaron® 9865 TERREFORM®

RECYCLED GRADE FAR RATED SHEET

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S E R I E S

## CHARACTERISTICS

- Meets FAR 25.853 (a) and (d)
- Made with recycled content
- Impact resistant
- Maintains wall thickness integrity in deep draw forming

## USES

- Instrument panel housings and air ducts
- Class dividers and bulkhead laminates
- Galley and lavatory components
- Bull noses, gap covers and moldings
- Passenger service units (PSUs)

## 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
FAR 25.853(d)(Part IV)	(OSU Heat Release) (Peak - HRR, kW/m <sup>2</sup> <65) (2 Min - HRR, kW min/m <sup>2</sup> <65)
FAR 25.853(d)(Part V)	(NBS Smoke) (Ds Max <200)

### PROPERTIES

<b>Specific Gravity</b> (ASTM D792)	1.50	
<b>Tensile Strength @ yield</b> (ASTM D638)	5,000 psi	34.5 MPa
<b>Tensile Modulus</b> (ASTM D638)	450,000 psi	3,102.6 MPa
<b>Flexural Strength</b> (ASTM D790)	7,250 psi	50 MPa
<b>Flexural Modulus @ yield</b> (ASTM D790)	353,000 psi	2,433.8 MPa
<b>Izod Impact Notched</b> (ASTM D256)	73 °F 1.8 ft-lb/in	23 °C 96 J/m
<b>Rockwell Hardness R-scale</b> (ASTM D785)	103	
<b>Heat Deflection Annealed</b> (ASTM D648)	168.4 °F @264 psi	75.8 °C @1.8 MPa

\* Independent lab tests. All tests at 73 °F (23 °C) in dry conditions unless otherwise noted.

### SHEET SIZES

<b>Lengths</b>	to 120 in	3,048 mm
<b>Widths</b>	to 60 in	1,524 mm
<b>Gauges</b>	from 0.040 to 0.250 in	from 1.02 to 6.35 mm

**Custom** Blank sizes, gauges on request

### THERMOFORMING GUIDELINES

<b>Forming Temperature</b>	335 - 370 °F	168 - 188 °C
<b>Typical Heater Settings</b>	30 - 50% Top 50 - 70% Bottom	
<b>Drying</b>	Not required	

Note: Due to added variation from recycled content, quality tolerances are wider than standard extruded sheets. Contact SIMONA Boltaron quality or technical services for full information.

**Attention:** Use caution when using cleaners containing quaternary ammonium compounds. Follow all label instructions and remove cleaner residues completely after cleaning. Avoid using quaternary ammonium compounds on parts exposed to elevated temperatures. For a full cleaning guide, visit [www.boltaron.com/cleaning-and-disinfecting](http://www.boltaron.com/cleaning-and-disinfecting).

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### DESIGN OPTIONS

- Colors** Ask for availabilities  
**Texture** Ask for availabilities



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RELIABILITY MEETS INNOVATION