

Boltaron® 4205

FAR RATED HIGH TEMPERATURE RESISTANT SHEET

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S E R I E S

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)	1.470
Tensile Strength (ASTM D638)	6,200 psi (42.7 MPa)
Flexural Strength (ASTM D790)	11,000 psi (68.9 MPa)
Flexural Modulus (ASTM D790)	450,000 psi (3,100 MPa)
Izod Impact (notched) @ 73 °F (23 °C) (ASTM D256)	2 ft-lb/in (107 J/m)
Hardness Rockwell (ASTM D785)	107
Heat Deflection Annealed (ASTM D648)	195 °F @ 264 psi (91 °C @ 1.8 MPa)
Flammability (UL 94)	V-0, 5VA ¹ and V-0, 5VB ²

¹ Values based on minimum thickness of 0.118 in (3.0 mm), UL File #E54688

² Values based on minimum thickness of 0.047 in (1.2 mm), UL File #E54688

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

QUALITY CHARACTERISTICS

Heat distortion temperature > 200 °F (93 °C)

Impact resistance, rigidity

Maintains wall thickness in deep draw forming

Custom colors, textures at low minimums

USES

Interior components, instrument housings, passenger service units (PSUs),
light housings, galley components, air ducting, food trays, tray tables, and lavatory components

SHEET SIZES

Lengths	to 120 in (3,048 mm)
Widths	to 60 in (1,524 mm)
Gauges	from 0.028 to 0.250 in (0.71 to 6.35 mm)
Custom	Blank sizes, gauges on request

DESIGN OPTIONS

Colors	Unlimited
Textures	Wide range available
Minimum	500 lb

4205 HIGH HEAT

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