

Boltaron® 9816

TRANSLUCENT FAR RATED PANEL FOR AIRCRAFT INTERIORS

9 0 0 0
S E R I E S

CHARACTERISTICS

- Provides slight visibility with good light transmittance
- Combines partial privacy and an open environment

USES

- class dividers, partitions, light diffusion panels
- storage area doors, and equipment covers

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 ² <65) (2 Min - HRR, kW min/m ² <65)
FAR 25.853(d)(Part V)	(NBS Smoke) (Ds Max <200)

PROPERTIES @ 0.177 in (4.5 mm)

Specific Gravity (ASTM D792)	1.42	
Tensile Strength @ yield (ASTM D638)	9,300 psi	64.1 MPa
Flexural Strength (ASTM D790)	15,000 psi	103.4 MPa
Flexural Modulus @ yield (ASTM D790)	493,000 psi	3,400 MPa
Izod Impact Notched (ASTM D256)	1.0 ft-lb/in.	53.4 J/m
Rockwell Hardness R-scale (ASTM D785)	121	
Heat Deflection Annealed (ASTM D648)	174.9 °F	79.4 °C

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

PROPERTIES @ 0.236 in (6 mm)

Specific Gravity (ASTM D792)	1.39	
Tensile Strength @ yield (ASTM D638)	8,300 psi	57.2 MPa
Flexural Strength (ASTM D790)	13,000 psi	89.6 MPa
Flexural Modulus @ yield (ASTM D790)	445,000 psi	3,068 MPa
Izod Impact Notched (ASTM D256)	1.5 ft-lb/in.	80.1 J/m
Rockwell Hardness R-scale (ASTM D785)	121	
Heat Deflection Annealed (ASTM D648)	178.9 °F	81.6 °C

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

SHEET SIZES

Lengths and Widths	Routed to user specifications	
Gauges	≥0.158 in	4 mm

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DESIGN OPTIONS

- Colors** Clear with blue tint
- Textures** Wide range available including: SI, VB, TX, UB

Note: Available as finished panels only.

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