

# BOLTARON® 4350

*FAR-Rated Translucent Rigid Panels and Parts for Aircraft Interiors*

Boltaron® 4350 is a rigid, translucent proprietary alloy material developed specifically to meet FAR 25.853(a) flammability requirements for aircraft interiors.

Available up to 0.250 in. (6.35 mm) in textured finishes, Boltaron® 4350 is used for a variety of flat and machined applications where design specifications call for some degree of translucence.

## PROPERTIES/FAR RATINGS

PROPERTY	TEST METHOD	TYPICAL VALUES	
Specific Gravity	ASTM D792	1.370	
Tensile Strength	ASTM D638	6,000 psi	41 MPa
Flexural Strength	ASTM D790	9,500 psi	66 MPa
Flexural Modulus	ASTM D790	350,000 psi	2,413 MPa
Izod Impact (notched) @ 73°F (23°C)	ASTM D256	0.5 - 1.0 ft-lb/in.	27 - 53 J/m
Hardness Rockwell	ASTM D785	119	
Heat Deflection (annealed)	ASTM D648	200 - 205°F @ 264 psi	93 - 96°C @ 1.8 MPa
Flammability - UL	UL 94	V-0 <sup>1</sup>	
FAR RATINGS			
Flammability			
Vertical burn, 60 sec	FAR 25.853(a)(i)	PASS	
Vertical burn, 12 sec	FAR 25.853(a)(ii)	PASS	

<sup>1</sup>Independent lab testing. All tests at 73°F (23°C) in dry conditions unless otherwise noted.

## Advantages

- Translucent, rigid
- Gauges up to 0.250 in. (6.35 mm)
- Various textures available

## Proven Applications

- Class dividers
- Privacy panels, partitions
- Equipment covers
- Life vest shrouds
- Machined components
- Flat parts

## Configurations

- Sizes: routed panels
  - Routed to user specifications
  - Gauges from 0.062 - 0.250 in. (1.57 - 6.35 mm)
  - Custom sizes, gauges on request
- Color, texture
  - Translucent blue tint
  - Falmouth, suede, and many others on request
  - 500 lb minimum

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