

BOLTARON® 4351

FAR-Rated Translucent Rigid Sheet for Aircraft Interiors



Boltaron® 4351 is a rigid, translucent proprietary alloy material developed specifically to meet FAR 25.853(a) flammability requirements for aircraft interiors.

PROPERTIES/FAR RATINGS

PROPERTY	TEST METHOD	TYPICAL VALUES	
Specific Gravity	ASTM D792	1.36	
Tensile Strength	ASTM D638	4,900 psi	33.8 MPa
Flexural Strength	ASTM D790	11,000 psi	75.8 MPa
Flexural Modulus	ASTM D790	380,000 psi	2,620 MPa
Izod Impact (notched) @ 73°F (23°C)	ASTM D256	5-8 ft-lb/in	266-427 J/m
Hardness Rockwell	ASTM D785	113	
Heat Deflection (annealed)	ASTM D648	155°F @ 264 psi	68°C @ 1.8 MPa
Flammability - UL	UL 94	V-0	
FAR RATINGS			
Flammability			
Vertical burn, 60 sec	FAR 25.853(a)(i)	PASS	
Vertical burn, 12 sec	FAR 25.853(a)(ii)	PASS	

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

Advantages

- Translucent
- Rigid
- Easy to thermoform and heat bend
- Uniform high quality appearance
- Low minimums

Applications

- Life vest shrouds
- Covers requiring visibility of the contents
- Signage
- Containers requiring compliance to FAR 25.853 (a) and translucency

Configurations

- Sheet Sizes
 - Widths to 26 in. (660 mm)
 - Lengths to 52 in. (1320 mm)
 - Gauges from 0.020 to 0.030 in. (0.5 to 0.75 mm)
 - Custom sizes, gauges on request
 - 500 lb minimum

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