

9815

BOLTARON

9815F

GENERAL INFORMATION

Boltaron 9815F is a proprietary, thin gauge film designed to meet stringent FAA requirements for flammability, smoke density and heat release. Boltaron 9815F offers excellent impact strength, abrasion resistance, stain and chemical resistance, and thermoformability.

AVAILABILITY

Colors: Custom
Gauges: .010 to .035
Widths: Up to 48"
Lengths: Up to 120"
(Rolls also available)
Custom Sizes: Upon request

Textures: Matte/Matte (MM)
Haircell (HC)
Sandcastle (SA)

SUGGESTED APPLICATIONS

Aircraft Interior Components

Typical Physical Properties

Property	Test Method	Typical values
Specific gravity	ASTM D-792	1.49
Tensile strength (PSI)	ASTM D-638	5,800 - 6,400
Flexural strength (PSI)	ASTM D-790	10,000 - 10,500
Flexural modulus (PSI)	ASTM D-790	4.4-4.6 x 10 ⁵
Izod impact (Ft. lbs./in. of notch)	ASTM D-256	1 - 2
Hardness Rockwell	ASTM D-785	112 - 115
Heat Deflection (°F) 264 PSI (annealed)	ASTM D-648	168 - 172
Flammability FAA	FAR 25.853 A1,(i) (60 sec.) FAR 25.853 A1,(ii) (12 sec.)	PASS PASS
Heat Release (OSU) ₂ Peak - Hrr, kW/m ² 2 Min - Hrr, kW-min/m ²	FAR 25.853 A1 F, Part IV -	<65 <65
NBS Smoke Ds @ 1.5 Min Ds @ 4 Min	F814-84(b)	<100 <200
Mold Shrinkage	In./In.	0.005 - 0.007
Thermal Expansion (In./In./°C)	D-696	3 x 10 ⁻⁵
Forming Temperature (°F)		335 - 365

LIMITATION OF WARRANTY

The application suggestions, specifications and other data described here are based upon experience and information that is believed, by BPP to be reliable. However, BPP makes no express or implied warranty that BOLTARON 9815F will perform in accordance with such specifications in any particular circumstance. Therefore, ALL EXPRESS OR IMPLIED WARRANTIES IN CONNECTION WITH BOLTARON 9815F, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY DISCLAIMED. The prospective user should determine the suitability of BOLTARON 9815F and the application suggestions before actual application.

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