

# 9815 BOLTARON 9815

## GENERAL INFORMATION

Boltaron 9815 is a proprietary, fire retardant, press laminated thermoplastic sheet designed to meet stringent FAA requirements for flammability, smoke generation and heat release as set forth in FAR 25.853 paragraphs (a) and (d). Boltaron 9815 offers excellent impact strength, abrasion resistance, stain and chemical resistance, and superior thermoformability.

## AVAILABILITY

Colors: Custom

Gauges: .031 to .250

Sheet Sizes: 50"x99" & 55.5"x122" (untrimmed)

Textures: Haircell

Industrial Smooth

Crush

Falmuth

Suede

## 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	4.4-4.6x10 <sup>5</sup>
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.)	PASS
	FAR 25.853 A1,(ii) (12 sec.)	PASS
Heat Release	FAR 25.853 A1 F, Part IV	
Peak - Hrr, kW/m <sup>2</sup>		<65
2 Min - Hrr, kW-min/m <sup>2</sup>	-	<65
NBS Smoke		
Ds @ 1.5 Min	F814-84(b)	<100
Ds @ 4 Min		<200
Mold Shrinkage	In./In.	0.005 - 0.007
Thermal Expansion (In./In./°C)	D-696	3 x 10 <sup>-5</sup>
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 9815 will perform in accordance with such specifications in any particular circumstance. Therefore, ALL EXPRESS OR IMPLIED WARRANTIES IN CONNECTION WITH BOLTARON 9815, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY DISCLAIMED. The prospective user should determine the suitability of BOLTARON 9815 and the application suggestions before actual application.

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