

9816 BOLTARON 9816

GENERAL INFORMATION

Boltaron 9816 is a clear blue tint proprietary rigid sheet developed specifically for aircraft interior applications that are required to meet the stringent FAA requirements for low heat release and smoke density as set forth in FAR 25.853 paragraphs (a) and (d). Boltaron 9816 offers excellent impact strength, abrasion resistance, stain and chemical resistance, and thermoformability.

AVAILABILITY

Gauges: .040 to .125
Standard Sizes: 50 x 99"

Textures: Suede/Suede (SD/SD)
Mirror/Mirror (MR/MR)

SUGGESTED APPLICATIONS

Aircraft Interior Components

Typical Physical Properties

Property	Test Method	Typical values
Specific gravity	ASTM D-792	1.47
Tensile strength (PSI)	ASTM D-638	9,000
Tensile Yield (%)	ASTM D-638	3.76
Tensile Modulus (PSI)	ASTM D-638	4.8×10^5
Flexural strength (PSI)	ASTM D-790	1.5×10^4
Flexural modulus (PSI)	ASTM D-790	4.5×10^5
Izod impact (Ft. lbs./in. of notch)	ASTM D-256	.5 - 1
Hardness Rockwell	ASTM D-785	122
Heat Deflection (°F) 264 PSI (annealed)	ASTM D-648	177.1
Heat Deflection (°F) 264 PSI (unannealed)	ASTM D-648	165.9
Flammability FAA	FAR 25.853 A1,(i) (60 sec.) FAR 25.853 A1,(ii) (12 sec.)	PASS PASS
Heat Release (OSU) 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
Vicat Softening Point (°C)	ASTm D-1525	95.5

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 9815M will perform in accordance with such specifications in any particular circumstance. Therefore, ALL EXPRESS OR IMPLIED WARRANTIES IN CONNECTION WITH BOLTARON 9815M, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY DISCLAIMED. The prospective user should determine the suitability of BOLTARON 9815M and the application suggestions before actual application.

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