

Boltaron 9815

Acrylic (PMMA) + PVC

Boltaron Performance Products

Message:

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.

Colors: Custom

Gauges: .031 to .250

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

Textures:

Haircell

Industrial Smooth

Crush

Falmuth

Suede

General Information	
Features	Flame Retardant
	Good Abrasion Resistance
	Good Chemical Resistance
	High Impact Resistance
	Low Smoke Emission
	Stain Resistant
Uses	Aircraft Interiors
Agency Ratings	FAR 25.853
Appearance	Colors Available
Forms	Sheet
Processing Method	Extrusion
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.49	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.70	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	112 to 115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	40.0 to 44.1	MPa	ASTM D638
Flexural Modulus	3030 to 3170	MPa	ASTM D790
Flexural Strength (Yield)	68.9 to 72.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	53 to 110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Annealed)	75.6 to 77.8	°C	ASTM D648
CLTE - Flow	3.0E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value	Unit	Test Method
	12.0		
FAA Flammability ¹	60.0	sec	FAR 25.853
Heat Release ²			FAR 25.853
2 Min-Hrr	< 65	kW/m ²	
Peak-Hrr	< 65	kW/m ²	
NBS Smoke Density			
-- ³	< 200		
-- ⁴	< 100		
Forming Temperature	168 to 185	°C	
NOTE			
1.	Pass		
2.	A1 F, Part IV		
3.	4 Min, F814-84(b)		
4.	1.5 Min, F814-84(b)		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

