

Boltaron 6800

Acrylic (PMMA) + PVC

Boltaron Performance Products

Message:

Boltaron 6800 is a proprietary, fire retardant, press laminated ABS/PVC alloy sheet designed to meet stringent FAA flammability requirements and UL Standard 94 V-0. Boltaron 6800 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

Morocco

General Information	
Features	Flame Retardant
	Good Abrasion Resistance
	Good Chemical Resistance
	Good UV Resistance
	High Impact Resistance
	Stain Resistant
Uses	Aircraft Interiors
	Laminates
Agency Ratings	FAR 25.853
Appearance	Colors Available
Forms	Sheet
Processing Method	Press Molding
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.70	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	41.4	MPa	ASTM D638
Flexural Modulus	2340	MPa	ASTM D790
Flexural Strength (Yield)	62.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact	270 to 530	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	72.2	°C	ASTM D648
Flammability	Nominal Value	Unit	Test Method
	12.0		
FAA Flammability ¹	60.0	sec	FAR 25.853
Radiant Panel Flame Spread Index (3.18 mm)	< 17.0		ASTM E162
Forming Temperature	168 to 185	°C	
NOTE			
1.	Pass		

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