

# Boltaron 4800

Acrylic (PMMA) + PVC

Boltaron Performance Products

## Message:

Boltaron 4800 is a proprietary, fire retardant, extruded Acrylic/PVC alloy sheet designed specifically for mass transit and aircraft interior applications. Boltaron 4800 meets ASTM E-162 and ASTM E-662 stringent requirements for flammability and low smoke emissions and FTA, UMTA and Docket 90A guidelines. Boltaron 4800 offers excellent impact strength, abrasion resistance, stain and chemical resistance, and thermoformability.

Colors: Custom

Gauges: .040 to .250

Widths: Up to 60"

Lengths: Up to 120"

Custom Sizes: Upon request

Textures:

Coarse Matte (CM)

Felt (FT)

Haircell (HC)

Levant (LT)

Mesa (MS)

Suede (SD)

LNE "M", P92-507: M1

General Information			
Features	Flame Retardant		
	Good Abrasion Resistance		
	Good Chemical Resistance		
	High Impact Resistance		
	Low Smoke Emission		
	Stain Resistant		
Uses	Aircraft Interiors		
	Automotive Instrument Panel		
	Seats		
	Table Products		
	Wall Panels		
	Windows & Doors		
Appearance	Colors Available		
Forms	Sheet		
Processing Method	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	102 to 104		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	33.8 to 35.9	MPa	ASTM D638

Flexural Modulus	2070 to 2280	MPa	ASTM D790
Flexural Strength (Yield)	53.8 to 57.9	MPa	ASTM D790
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Notched Izod Impact	160 to 270	J/m	ASTM D256
Gardner Impact	> 36.2	J	ASTM D3029
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Deflection Temperature Under Load (1.8 MPa, Annealed)	73.9 to 75.6	°C	ASTM D648
<b>Flammability</b>	<b>Nominal Value</b>		<b>Test Method</b>
Flame Rating	V-0		UL 94
Flammability	Pass		FMVSS 302
<b>NBS Smoke Density</b>			
Flame Mode <sup>1</sup>	< 200		ASTM E162
Flame Mode <sup>2</sup>	< 100		ASTM E162
Smoldering Mode <sup>3</sup>	< 200		ASTM E162
Smoldering Mode <sup>4</sup>	< 100		ASTM E662
Radiant Panel Flame Spread Index	< 10.0		ASTM E162
Forming Temperature	335 to 365		
<b>NOTE</b>			
1.	4 min		
2.	90 sec		
3.	4 min		
4.	90 sec		

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