

# Boltaron 6800E

Acrylic (PMMA) + PVC

Boltaron Performance Products

## Message:

Boltaron 6800E is a proprietary, fire retardant, extruded ABS/PVC Alloy sheet designed to meet stringent FAA flammability requirements and UL Standard 94 V-0. Boltaron 6800E offers excellent impact strength, abrasion resistance, stain and chemical resistance, and formability.

- Colors: Custom
- Gauges: .040 to .250
- Widths: Up to 48"
- Lengths: Up to 120"
- Custom Sizes: Upon request
- Textures:
  - Coarse Matte (CM)
  - Felt (FT)
  - Haircell (HC)
  - Levant (LT)
  - Mesa (MS)
  - Suede (SD)

General Information			
Features	Flame Retardant		
	Good Abrasion Resistance		
	Good Chemical Resistance		
	High Impact Resistance		
	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	1.30	g/cm <sup>3</sup>	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 <sup>1</sup>	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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#### Recommended distributors for this material

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