

Boltaron 4800

Acrylic (PMMA) + PVC

Boltaron Performance Products

Product Description

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

Material Status	• Commercial: Active		
Availability	• North America		
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 ³	ASTM D792
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
Impact	Nominal Value Unit	Test Method
Notched Izod Impact	160 to 270 J/m	ASTM D256
Gardner Impact	> 36.2 J	ASTM D3029
Hardness	Nominal Value Unit	Test Method
Rockwell Hardness (R-Scale)	102 to 104	ASTM D785
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Annealed	73.9 to 75.6 °C	ASTM D648
Flammability	Nominal Value Unit	Test Method
Flame Rating - UL	V-0	UL 94
Flammability	Pass	FMVSS 302
NBS Smoke Density		
Flame Mode ²	< 200	ASTM E162
Flame Mode ³	< 100	ASTM E162
Smoldering Mode ²	< 200	ASTM E162
Smoldering Mode ³	< 100	ASTM E662
Radiant Panel Flame Spread Index	< 10.0	ASTM E162
Additional Information	Nominal Value Unit	
Forming Temperature	335 to 365	