

Boltaron 9200

Acrylic (PMMA) + PVC

Boltaron Performance Products

Product Description

Boltaron 9200 is a proprietary, extruded thermoplastic sheet, designed for use as aircraft window shades. Boltaron 9200 offers maximum light blocking characteristics, excellent impact strength, abrasion resistance, stain and chemical resistance, and thermoformability. Boltaron 9200 meets stringent FAA regulations for flammability, smoke generation and heat release as set forth in FAR 25.853 paragraphs (a) and (d). Boltaron 9200 is available as a single color (9200) or as a double color (9200C) construction.

Colors: Custom
 Gauges: .047 to .060
 Widths: Up to 48"
 Lengths: Up to 120"
 Textures:
 Coarse Matte (CM)
 Felt (FT)
 Haircell (HC)
 Levant (LT)
 Mesa (MS)
 Suede (SD)

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Good Abrasion Resistance • High Impact Resistance • Good Chemical 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	1.49 g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.70 %	ASTM D955
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
Hardness	Nominal Value Unit	Test Method
Rockwell Hardness (R-Scale)	112 to 115	ASTM D785
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Annealed	75.6 to 77.8 °C	ASTM D648
Flammability	Nominal Value Unit	Test Method
FAA Flammability ²	• 12.0 sec • 60.0	FAR 25.853
Heat Release ³		FAR 25.853
2 Min-Hrr	< 65 kW/m ²	
Peak-Hrr	< 65 kW/m ²	
Additional Information	Nominal Value Unit	
Forming Temperature	168 to 185 °C	

Notes

¹ Typical properties: these are not to be construed as specifications.

² Pass

³ A1,Part IV