

Boltaron 9200

Acrylic (PMMA) + PVC

Boltaron Performance Products

Message:

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 Information			
Features	Good Abrasion Resistance		
	Good Chemical Resistance		
	High Impact Resistance		
	Stain Resistant		
Uses	Aerospace Applications		
	Aircraft Interiors		
	Windows & Doors		
Agency Ratings	FAA Unspecified Rating		
	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
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	112 to 115		ASTM D785
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
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
Flammability			FAR 25.853
12 sec	Pass		
60 sec	Pass		
Heat Release			FAR 25.853
2 min	< 65	kW·min/m ²	
Peak	< 65	kW/m ²	
Ds			ASTM F814
1.5 min	< 100		
4 min	< 200		
Forming Temperature	168 to 185	°C	

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