

# Boltaron 4350 Clear PVC

Rigid Polyvinyl Chloride

Boltaron Performance Products

Message:

Boltaron 4350 is a clear proprietary rigid sheet developed specifically for aircraft interior applications. Passing stringent FAA flammability requirements, Boltaron 4350 is an ideal solution for aircraft interior components requiring high chemical resistance and design flexibility.

Standard Color: Clear

Gauges: .062 to .500"

Width: 48"

Length: 96"

Custom Sizes: Upon request

Custom Textures: Falmouth, Suede, Smooth

Suggested Applications:

Life Vest Covers

Class Dividers

Privacy Dividers

Equipment Windows

Machined Parts

Thermoformed Parts

General Information			
Features	Flame Retardant		
	Good Chemical Resistance		
	High Rigidity		
Uses	Aircraft Interiors		
	Machine/Mechanical Parts		
	Wall Panels		
	Windows & Doors		
Agency Ratings	FAA Unspecified Rating		
Appearance	Clear/Transparent		
Forms	Sheet		
Processing Method	Machining		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm <sup>3</sup>	ASTM D792
Water Absorption (24 hr)	0.050	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Durometer Hardness (Shore D)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2070	MPa	ASTM D638
Tensile Strength (Yield)	41.4	MPa	ASTM D638

Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength (Yield)	65.5	MPa	ASTM D790
Compressive Strength	51.0	MPa	ASTM D695
Shear Strength	36.5	MPa	ASTM D732
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	530 to 640	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	65.6	°C	ASTM D648
CLTE - Flow	4.5E-5	cm/cm/°C	ASTM D696
Specific Heat	1210	J/kg/°C	ASTM C351
Thermal Conductivity	0.072	W/m/K	ASTM C177
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94
Additional Information	Nominal Value	Unit	Test Method
	12.0		
FAA Flammability <sup>1</sup>	60.0	sec	FAR 25.853
NOTE			
1.	Pass		

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