

Boltaron 9815E

Polyvinyl Chloride
Boltaron Performance Products

Message:

FAR Rated High Impact Sheet

Greater impact resistance than competitive 65/65-rated PVC/Acrylic sheets, inclusion-free quality and unlimited textures/colors

Boltaron 9815E is a proprietary, fire retardant, extruded PVC/Acrylic alloy for aircraft interior components that meets stringent FAA requirements for flammability, smoke generation and heat release while exhibiting exceptional physical properties.

It offers Izod Impact resistance of 5.0 ft lbs/in (265 J/m) - higher than competitive 65/65- compliant sheets rated at 3.0 ft lbs/in (159 J/m)—significantly improving the durability of thermoformed aircraft interior components.

It also offers other exceptional physical properties, extreme formability and consistent surface quality, and is available in an unlimited range of colors and textures.

As a result, Boltaron 9815E is specified by the world's leading commercial, military and private aircraft and helicopter manufacturers, carriers and interior refurbishing contractors, for thermoformed, fabricated and machined interior components of unequalled durability and appearance.

General Information	
Features	Durable
	Flame Retardant
	Good Abrasion Resistance
	High Impact Resistance
	Low Smoke Emission
Uses	Aerospace Applications
	Aircraft Interiors
Agency Ratings	FAA Unspecified Rating
	FAR 25.853
Appearance	Colors Available
Forms	Sheet
Processing Method	Extrusion
	Machining
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.49	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.70	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness	107		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	37.9	MPa	ASTM D638
Flexural Modulus	2830	MPa	ASTM D790
Flexural Strength (Yield)	60.0	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C)	270	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	76.7	°C	ASTM D648
CLTE - Flow	3.0E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value	Unit	Test Method
Flammability	Pass All		FAR 25.853
Heat Release			FAR 25.853
-- 1	< 65	kW/m ²	
-- 2	< 65	kW · min/m ²	
NBS Smoke Density			ASTM F814
Ds @ 1.5 Min	< 100		
Ds @ 4 Min	< 200		
NOTE			
1.	Peak - Hrr		
2.	2 Min - Hrr		

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