

Boltaron 9915 FSTH

Acrylic (PMMA) + PVC

Boltaron Performance Products

Message:

Fully Compliant Aircraft Grade Thermoplastic Sheet - Airbus and Boeing compliance never looked so good

With Boltaron 9915 FSTH, designers now have the flexibility to produce visually stunning aircraft interior components, while also meeting all Boeing and Airbus requirements for flammability, smoke, toxicity, and heat release.

Constructed with Lexan XHR6000 high performance thermoplastic sheet manufactured by SABIC Innovative Plastics, Boltaron 9915 FSTH is a proprietary composite offered in a combination of decorative designs, colors, and textures unavailable from any other film and sheet supplier.

Offered in decorative effects such as wood-grain, pearlescent, and carbon-fiber, Boltaron 9915 FSTH gives designers the flexibility to produce eye-popping 2-and 3- dimensional seating components, shrouds, and panels. In addition, Boltaron 9915 FSTH is the only fully compliant aircraft grade thermoplastic sheet with a low- gloss surface after thermoforming, allowing for consistent part-to-part appearance.

With an unparalleled combination of physical properties and design flexibility, compliance with toxicity standards never looked better.

Meets toxicity requirements per ABD0031, BSS7239, and D6-5137

General Information			
Features	Flame Retardant		
	Low Gloss		
	Low Smoke Emission		
	Low Toxicity		
Uses	Aerospace Applications		
	Aircraft Interiors		
	Wall Panels		
Agency Ratings	FAA Unspecified Rating		
Forms	Sheet		
Processing Method	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm ³	ASTM D792
Molding Shrinkage - Flow (Thermoformed)	0.50 to 0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	73.1	MPa	ASTM D638
Flexural Modulus	2500	MPa	ASTM D790
Flexural Strength	115	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	190	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	121	°C	ASTM D648
CLTE - Flow (-40 to 40°C)	5.8E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value	Unit	Test Method
Flammability			

--	Pass	FAR 25.853(d)
12 sec	Pass	FAR 25.853
60 sec	Pass	FAR 25.853
Heat Release ¹		FAR 25.853
2 min	< 65	kW · min/m ²
Peak	< 65	kW/m ²
Smoke Toxicity ²	Pass	
Ds		ASTM F814
1.5 min	< 100	
4 min	< 200	
NOTE		
1.	A1 F, Part IV	
2.	ABD-0031, BSS-7239, D6-51377	

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