

Boltaron 9815F

Polyvinyl Chloride

Boltaron Performance Products

Message:

A companion product to Boltaron 9815E heavy gauge high-impact 65/65-rated sheet, Boltaron, 9815F film/sheet is offered in gauges from .010 to .035 in. (.25 to 89 mm) for thermoforming and two-and three-dimensional laminating of aircraft interior components

Identical to Boltaron 9815E (extruded) heavy-gauge sheet in formulation, properties, fire ratings, lengths, widths and unlimited color availability, Boltaron 9815F (calendered) film/sheet is offered in gauges from .010 to .035 in. (25 to 89 mm) in two surface textures that match, and one that complements, 9815E.

Boltaron 9815F 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 and laminated aircraft interior components.

It also offers other exceptional physical properties, extreme formability and consistent surface quality free of inclusions.

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

General Information			
Features	Durable		
	Flame Retardant		
	High Impact Resistance		
	Low Smoke Emission		
Uses	Aircraft Interiors		
Agency Ratings	FAA Unspecified Rating		
	FAR 25.853		
Appearance	Colors Available		
Forms	Film		
	Sheet		
Processing Method	Calendering		
	Laminating		
	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
Notched Izod Impact	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		FAR 25.853
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 188	°C	

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