Boltaron 9815D

Polyvinyl Chloride Alloy

Boltaron Performance Products

Message:

Boltaron 9815D is a proprietary, fire retardant, extruded PVC/Acrylic alloy that is offered in unlimited custom patterns, providing designers with unlimited ways to enhance the appearance of aircraft interior components.
In addition, unlimited patterns are available economically in low minimums with fast turnarounds, allowing the production of prototypes and limited runs prior to full-scale production.
Boltaron 9815D also exhibits exceptional physical properties, including Izod impact resistance of 5.0 ft lbs/in (265 J/m), significantly improving the durability of thermoformed aircraft interior components, while meeting stringent FAA requirements for flammability, smoke generation and heat release. It also offers extreme formability and consistent surface quality, free of pits or inclusions.
Boltaron 9815D is one of the latest additions to Boltaron's 9815 family of aircraft-rated sheet products 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 High Impact Resistance Low Smoke Emission
Uses	Aerospace Applications Aircraft Interiors
Agency Ratings	FAR 65/65
Appearance	Colors Available
Forms	Sheet
Processing Method	Extrusion Machining Thermoforming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.49	g/cm³	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	37.9	MPa	ASTM D638
Flexural Modulus	2830	MPa	ASTM D790
Flexural Strength	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		FAR 25.853
Heat Release			FAR 25.853
2 min	< 65	kW·min/m²	
Peak	< 65	kW/m²	
Ds			ASTM F814
1.5 min	< 100		
4 min	< 200		
Forming Temperature	168 to 188	°C	

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China