

# FOAMSEAL

## Aluma-Seal UL 723

Aluma-Seal UL 723 acts as quality insulator for HVAC plenums, pipes, and pans. Its dependable heat-shielding ability also makes it a great choice for lighting and motor housing applications, as well as other appliances requiring fire retardancy. This closed-cell foam cast onto heavy duty aluminum foil is ANSI/UL 723 certified, and the durable Polyvinyl Chloride (PVC) formulation offers a long service life.



- ANSI/UL 723 certified
- Thickness 1/8" to 1/4"
- Foam is cast on aluminum with polycoated liner covering PSA
- Sulphur free
- Low VOC
- Prop 65 compliant
- Applications include:
  - Appliances - where fire retardancy is required
  - HVAC - where fire retardancy is required
  - Insulator for HVAC plenums
  - HVAC pans
  - Inboard motor housing (boat)
  - Lighting applications

Since it is fire-resistant and remains pliable at temperatures of -40°C to 78°C, Aluma-Seal UL 723 can be used in many HVAC, appliance, automotive, and boating applications in retail, construction, and industrial markets. Cast 52" wide on a 54" aluminum liner, this integrated foam/aluminum material conforms to irregular surfaces to create a protective barrier. It eliminates condensation on pipes, reduces vibration and deadens sound in HVAC applications, and prevents heat transfer from pipes and ducts. Aluma-Seal 723 is sulphur free, low VOC, and Prop 65 compliant. And like all Foam Seal Specialty PVC foams, it is resistant to petroleum, UV, and cleaning solutions.

We manufacture to your specifications. Aluma-Seal is available in 1/8" to 1/4" gauges, and has a shelf life of 6 months with adhesive and two years without adhesive when stored at or below 75°F.



Made in USA

# FOAMSEAL

## Aluma-Seal UL 723

### PERFORMANCE CHARACTERISTICS

- ANSI/UL 723 certified
- Durable Polyvinyl Chloride (PVC) formulation provides long service life
- Reduces vibration and deadens sound in HVAC applications
- Excellent thermal barrier to eliminate heat transfer from pipes and ducts
- Eliminates condensation and moisture build-up on water pipes
- Prevents condensation buildup
- 100% closed cell
- Low density
- Sulphur free
- Low VOC
- Prop 65 compliant
- Available thickness: 1/8" to 1/4"
- Gray color

### PRODUCT SPECIFICATIONS

Parameter	Condition	Specification
Gauge (Thickness)	1/8" to < 3/16" (0.3175 cm to 0.47625 cm)	+/- 15%
	3/16" to 1/4" (0.47625 cm to 0.64 cm)	+/- 10%
Width (Rolls)	3/16" to < 2" (0.47625 cm to 5.08 cm)	+/- 1/32"
	2" to 50" wide (5.08 cm to 127 cm)	+/- 1/16"
Length	≤ 50' (15.24 m) long > 50' (15.24 m) long	0" to +6" - 1% to 2%
Density		6.0 to 9.0 lbs/ ft <sup>3</sup> (96 to 144 kg/m <sup>3</sup> )
Adhesion	Stainless Steel	20 oz / in minimum (567 g / cm minimum) Typical Value: >30 oz/in (>850 g / cm)

\*Specifications based on a sample size of three to five. Testing to these specifications may be dependent on the specific application. Specifications are subject to change without notice.

### TYPICAL PROPERTIES

Physical Property	Test Method	Typical Value
Aluminum Liner		1.5 – 2.0 mils
Hardness (Shore "00")	ASTM D2240	30 (with aluminum liner)
Force to Compress @ 25%	ASTM D1667	1.6 psi (without aluminum liner)
Compression Deflection 25% after 60 sec	ASTM D1667	1.0 (without aluminum liner)
Service Temperature	ASTM D412	-40°F to 172°F -40°C to 78°C

\*The information provided in the above table is not intended for use in preparing specifications. Information for reference is intended as a general guideline only. Typical values based on a sample size of three to five and performed within 2 weeks of manufacture.

### UL 723 FILE# R20969

Parameter	Flame Spread	Smoke Index
PVC Foam Core	20	100
Foil Faced Foam (slit)	15	45



5109 Hamilton Avenue, Cleveland, OH 44114 USA  
(216) 881-8111 | (800) 380-0138 | (216) 881-6977 F  
foam-seal.com

ISO 9001:2015 QMS (with Design), IATF 16949:2016 QMS (with Design)  
Certified Women's Business Enterprise

Effective Date: Mar 2022-v1.4

Proudly made in Cleveland, Ohio USA