

Absorbing and Insulating Foam UL 94 HF-1

FXI acoustical solutions are engineered to perform multiple functions including sound absorption and vibration damping. FXI low-density foams are ideal for sound absorption while higher-density or lower permeability foams work well for damping. Complementing their acoustic capabilities, all FXI foams are moldable and meet various fire and performance requirements. Additionally, these acoustic technologies can withstand varying operating temperatures and offer insulation performance for different industry applications. FXI acoustical solutions provide efficiency, reliability, and predictability in high-stress environments and applications over time, while simplifying handling, manufacturing and assembly, to reduce overall costs for sound and vibration reduction solutions.

Overview

ARESTO™ is a fire-retardant, flexible polyester polyurethane foam which has been designed for applications where flammability characteristics must meet standards such as Department of Transportation Motor Vehicle Safety Standards FMVSS-302 or Underwriters Laboratories Classification UL 94 HF-1.

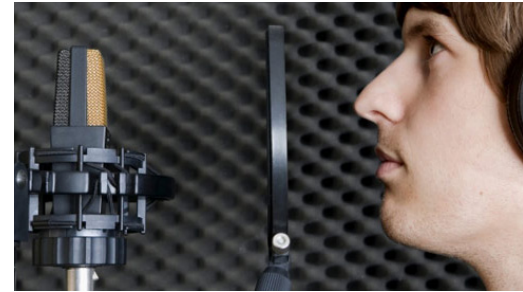
Benefits

- Excellent lamination ability
- Versatility on a wide range of NVH
- Superb sound absorption
- Available in several densities

Applications

- Vehicle engine covers and hood liners
- Absorption blankets and panels for appliances such as dishwashers and refrigerators
- Class 8 truck cabs
- Off-highway equipment cabs
- Industrial machinery and generator
- Anechoic & semi-anechoic chambers
- Recording studios and home theater acoustic treatment applications

Quick Facts



Flammability Performance

FR Test UL 94 HF-1

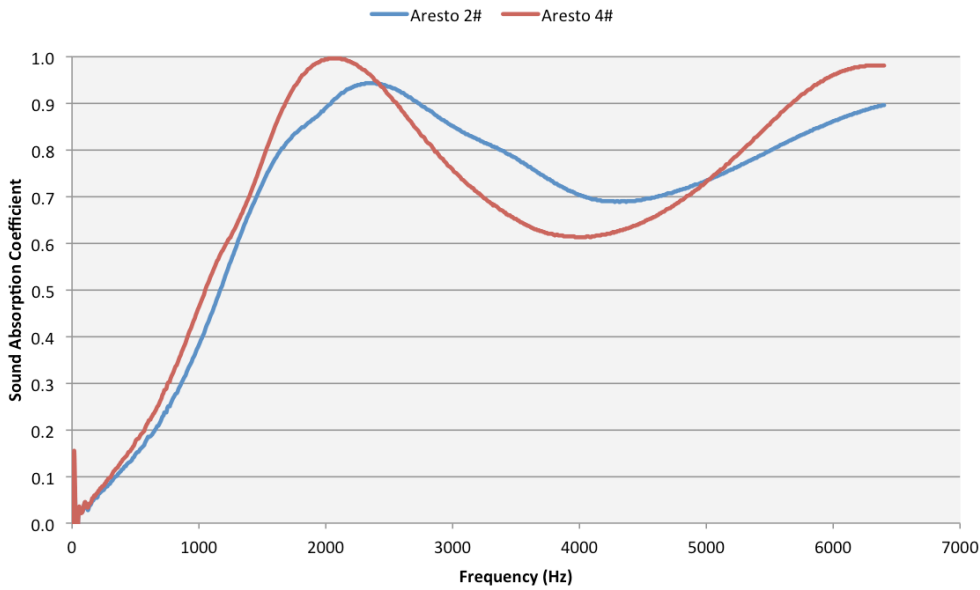
Thermal Properties

Foam Code	Density lbs/ft ³	Pore Size** ppi	Permeability ft ³ /min/ft ²	Tensile psi	Tear lb/in	Elongation %	IDF 25% psi	IDF 65% psi	Clickability	Comp. Set 50%	NRC	SAA	R Value m ² K/W	K Factor W/mk
Aresto 2#	2.0	70	70	20	2.5	190	11	0.8	Good	10	0.45	0.5	0.561	0.04528
Aresto 4#	4.0	70	70	23	3.4	330	61.83	1.1	Good	5	0.55	0.56	0.520	0.04887

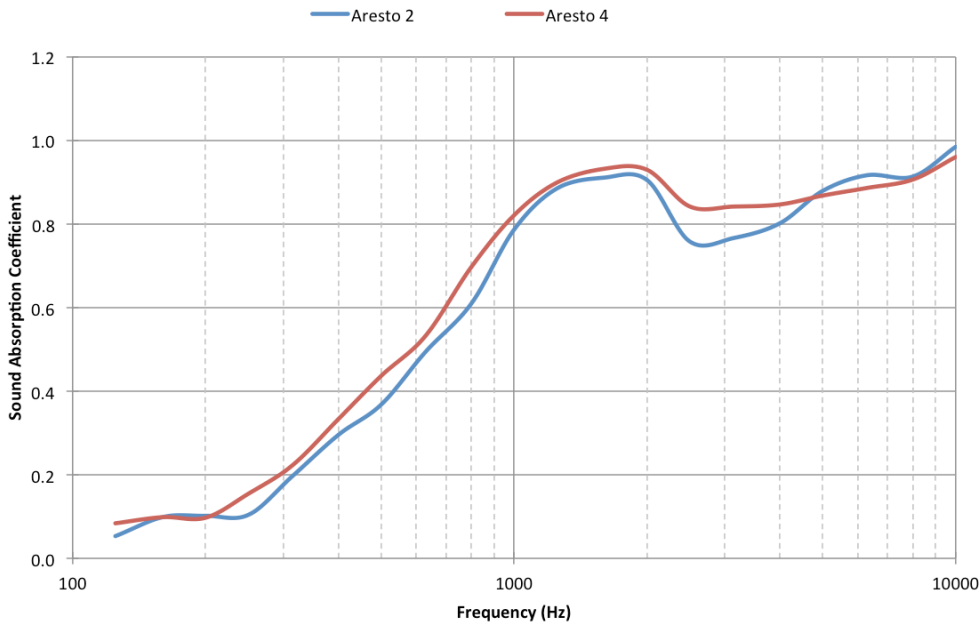
Test procedure ASTM D-3574 | **Pore size not determined by ASTM procedure.

*Typical physicals not to be used for specification purposes. Please contact your account rep for specification information.

ASTM E-1050 @ 20 mm Thickness



Random Incidence Sound Absorption Coefficients Per ASTM C423 @ 20mm Thickness



IMPORTANT NOTICE REGARDING FLAMMABILITY— All polyurethane foams including combustion modified foams will burn and generate smoke and gases. Performance conditions and corresponding data refer to typical performance in specific tests, such as UL-94 and MVSS-302, and should not be construed to imply the behavior of this or any other product under other conditions. All data regarding these products were obtained using specific test methods under controlled laboratory conditions intended to measure performance against specifications. Due to the great number and variety of applications for which FXI products are purchased, FXI does not recommend specific applications or assume any responsibility for use results obtained or suitability for specific applications. FXI warrants its products only to direct buyers. (See FXI's Standard Terms of Sales for FXI's warranty.) IN NO EVENT SHALL FXI BE RESPONSIBLE FOR ANY CLAIM IN EXCESS OF FXI'S SALE PRICE OF THE PRODUCT TO WHICH THE CLAIM RELATES.

About FXI:

FXI is a leading producer of foam innovation in the Bedding, Furniture, Industrial, Home & Office, Healthcare and Transportation Markets. Our focus is on finding tailored solutions for our customers that are driven by consumer insights and industry trends. Our products include finished goods, sub-assemblies, services and raw materials for OEMs, fabricators and retailers. You will find FXI's foam innovations inside, around and under yourself in countless applications. We protect automobile passengers on the highway, help consumers sleep sounder and furniture manufacturers create comfort. We provide for sharper images in digital printers and help consumers keep their homes clean. We provide critical components for filters, gaskets and seals in everything from blood oxygenators to computer disk drives. Everywhere foam goes; FXI's innovations lead the way.