

Extended Performance Under Environmental Pressures with Open Cell Structure and Felting

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

AEROFONIC® is a reticulated felted foam. Originally designed for the highly demanding environments found in the aerospace industry. Felting is a process by which heated platens permanently compress the foam to a specified density (firmness) and thickness. By varying machine conditions and the ratio of initial foam thickness to final felt thickness, the specific design properties of the end product are controlled.

Because it has a completely open-cell structure (reticulation removes all window membranes) and predictable permeabilities, AEROFONIC® is engineered to meet design criteria that other materials can't meet or won't meet due to their inconsistency.

Benefits

- Exceptional sound attenuation
- Effective over a wide range of frequencies
- Extended performance in tough environments
- High-speed railcars
- Power units—field hospitals
- Computers and peripheral equipment
- Gaskets and seals
- Pressure sensitive tapes

Applications

- Aircraft air duct liner
- Aircraft turbine engine
- Diesel powered on-and off-road equipment
- Armored vehicles
- Air-conditioning equipment

*Quick Facts

Foam Code	Density lbs/ft3	Pore Size* ppi	Comp. Set 50%	NRC	SAA	R Value m2k/W	K Factor W/mk
AEROFONIC®	5.4	70	10	0.412	0.415	-	-

*Pore size is not determined by ASTM procedure.

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

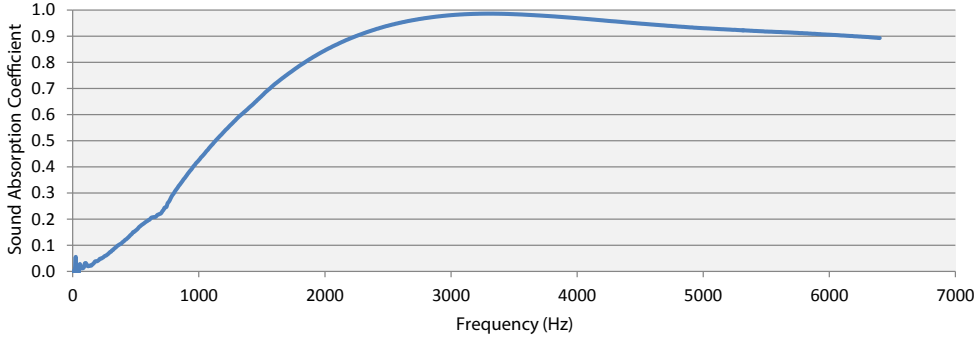


Flammability Performance

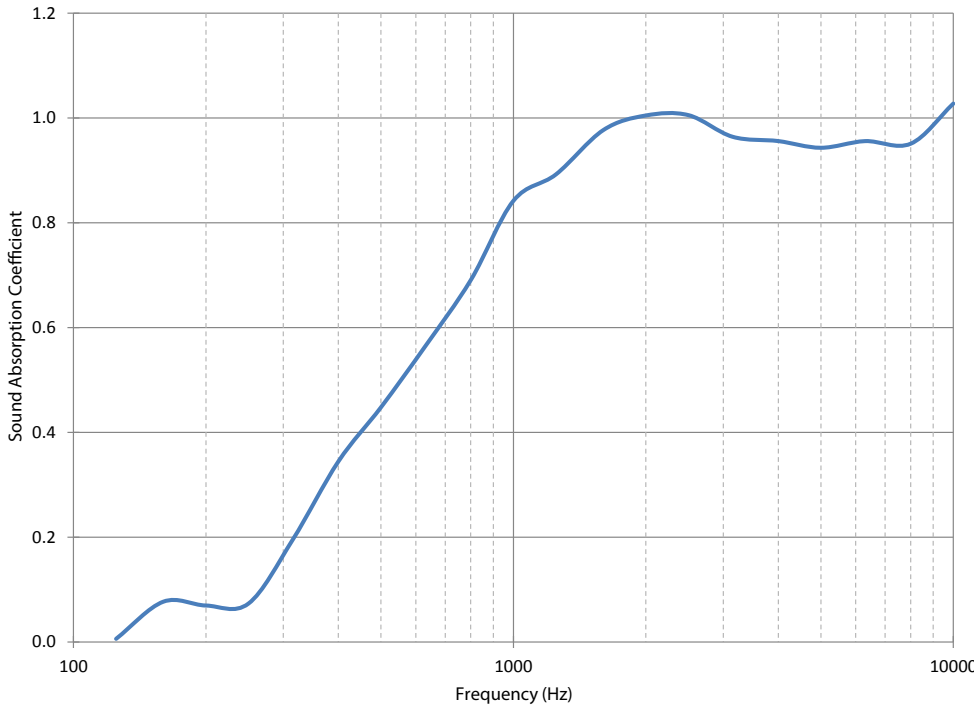
FR Test UL 94 HF-1
FAR 25.853 App. F Part 1 (a)(1)(i)
(a)(1)(ii)

Thermal Properties

ASTM E-1050 @ 20 mm Thickness



Random Incidence Sound Absorption Coefficients per ASTM C423 @ 20mm thickness



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.

IMPORTANT NOTICE REGARDING FLAMMABILITY— All polyurethane foams including combustion modied foams will burn and generate smoke and gases. Performance conditions and corresponding data refer to typical performance in specic 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 re conditions. All data regarding these products were obtained using specic 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 specic applications or assume any responsibility for use results obtained or suitability for specic 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.