

## High Density Acoustic Ethers That Absorb What Matters

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

Durabsorb™ 100 and Durabsorb™ 200, provide a unique combination of excellent sound absorption characteristics along with vibration damping capabilities through higher density ether formulation. Certified to Department of Transportation FMVSS-302, these foams have superior durability for challenging environments with demanding technical requirements and fit many uses requiring lower frequency absorption. Highly moldable and fabricating ease, Durabsorb™ 100 and Durabsorb™ 200 work well for laminations and multi-size parts due to their structural integrity.

### Benefits

- High-density leads to durability in use which provides a long service life
- Manufacturing friendly with the ability to hold loft and form which limits the need to handle materials
- Increased design flexibility due to the ability to fabricate to achieve form and fit
- Provides structural integrity by being free-standing and load-bearing
- Density provides both absorbing and damping capabilities in a single solution

### Noise Absorption Applications

- Engine cover for automotive and vehicle engines
- Portable air compressors and power units
- Interior firewalls and door panels for automobiles
- Cabin panels for Class 8 trucks
- Enclosure panels for portable air compressors, power units, appliances, etc
- Floor and consoles



### Sound Damping Applications

- Engine compartments
- Reduce resonance of metal panels & enclosures
- Trim, seals and gaskets for vehicles and equipment
- Shock absorbing pads

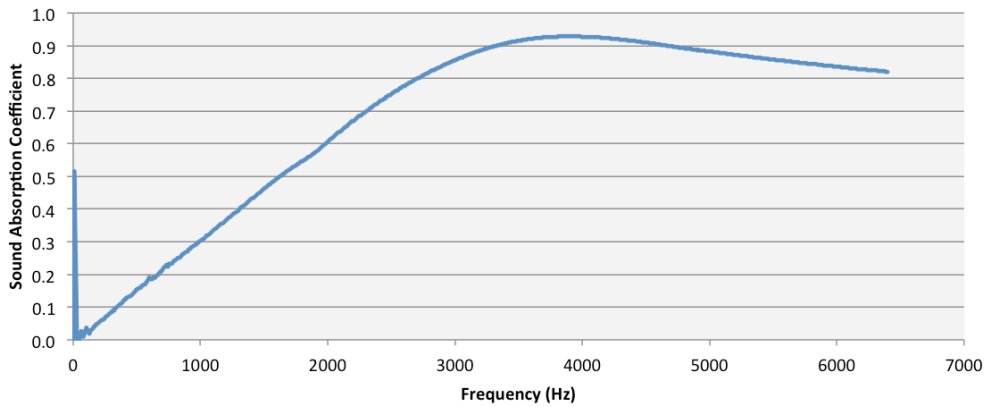
### Quick Facts

Foam Code	Density lbs/ft3	Pore Size** ppi	Permeability ft3/min/ft2	Tensile psi	Tear lb/in	Elongation %	Comp. Set 90%	NRC	SAA	Thermal Properties	
										R Value m2k/W	K Factor W/mk
DURABSORB™ 100	4.1	85	150	56	2.9	120	2.3	0.50	0.53	0.532	0.04776
DURABSORB™ 200	4.9-6.0	85	-	45	1	100	10	-	-	-	-

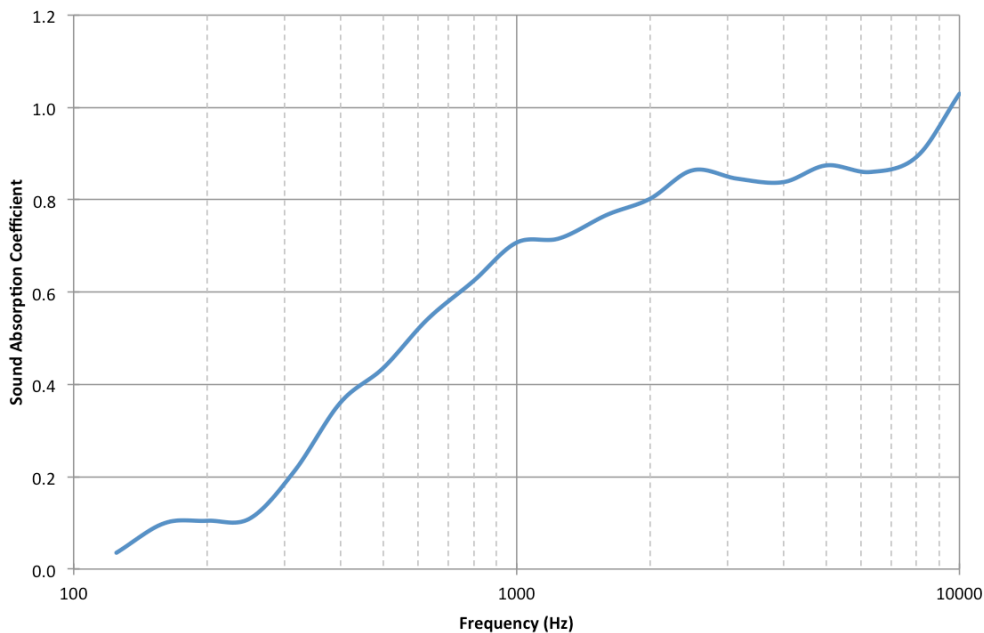
Test Procedure ASTM D-3574, C423 | \*Typical physicals not to be used for specification purposes. Please contact your account rep for specification information.

\*\*Pore size is not determined by ASTM procedure.

### ASTM E-1050 @ 20 mm Thickness



### Random Incidence Sound Absorption Coefficients ASTM C423 Durabsorb 100 @ 20 mm 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 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 re 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.