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

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<tr>
<th>Flammability Performance</th>
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<td>FR Test UL 94 HF-1</td>
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<table>
<thead>
<tr>
<th>Thermal Properties</th>
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<tbody>
<tr>
<td>Foam Code</td>
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<td>--------------------------</td>
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<tr>
<td>Aresto 2#</td>
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<td>Aresto 4#</td>
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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.

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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 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.