TECHNICAL DATA SHEET

SOUNDFOAM M

SOUNDCOAT



PRODUCT DESCRIPTION

Soundfoam M is an acoustic quality, open cell, flexible polyether-based urethane foam designed specifically to provide maximum sound absorption over a wide frequency range in minimum thickness. It is characterized by excellent hydrolytic stability for moisture and humidity resistance, excellent chemical resistance, fine and uniform cell size and consistent sound absorption.

Soundfoam M has better low frequency sound absorption interaction with appropriate facings. Due to its higher elasticity, the facing material lowers coincident frequency resulting in improved absorption at lower frequencies.

Soundfoam M also conforms to the requirements of military specification MIL-PRF-26514G for a Type I, Class 2, Grade C material.

MARKETS

TYPICAL APPLICATIONS

- Trucks, buses, construction, mining, agriculture, military transport, and emergency vehicles
- Gensets, conveying systems, HVAC, compressed air
- Semiconductors, telecommunications equipment, EV charging stations and battery storage
- Industrial building spaces
- Medical equipment

PHYSICAL PROPERTIES

Material Type	Polyether urethane foam
Color	Charcoal gray
Density	1.8±0.2 lb/ft3
Operating Temperature	-43°C (-45°F) to 110°C (230°F)
Tensile Strength	14.5 PSI Min
Elongation	200%
Compression Set	<10%
Thermal Conductivity	0.25 BTU in./h ft2 °F
Flame Resistance	UL Recognized as UL 94 HF1 MVSS-302 FAR 25.853(b)

PRODUCT CONFIGURATIONS

- Plain
- Embossed
- Protective & decorative surface treatments:
  - Uniseal
  - Matte polyurethane film
  - Metalized Mylar
  - Perforated PVC
  - Tedlar®
- Available in custom die-cut parts, sheets, 54" wide rolls, and kits.
- Supplied with one of several high-performance pressure sensitive adhesives in "ready to use" custom die-cut parts.
- Can be combined with barrier and/or damping materials to form multi-functional composites.

THE SOUNDCOAT PROMISE

We have one goal: to enhance the customer experience by providing world-class products manufactured under ISO 9001:2015 and AS9100:2016 standards in one of our modern manufacturing facilities strategically located on each coast.

All materials are tested and qualified in our acoustics and materials testing laboratory to ensure consistent quality and performance.

Soundcoat products are supplied, tested, and produced to your specifications.

HQ | 1 Burt Drive | Deer Park, NY | 11729 | US
Phone: 631.242.2200 | Fax: 631.242.2246

West Coast Operations | 2721 S. Harbor Boulevard, Suite A | Santa Ana, CA | 92704 | US
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PERFORMANCE

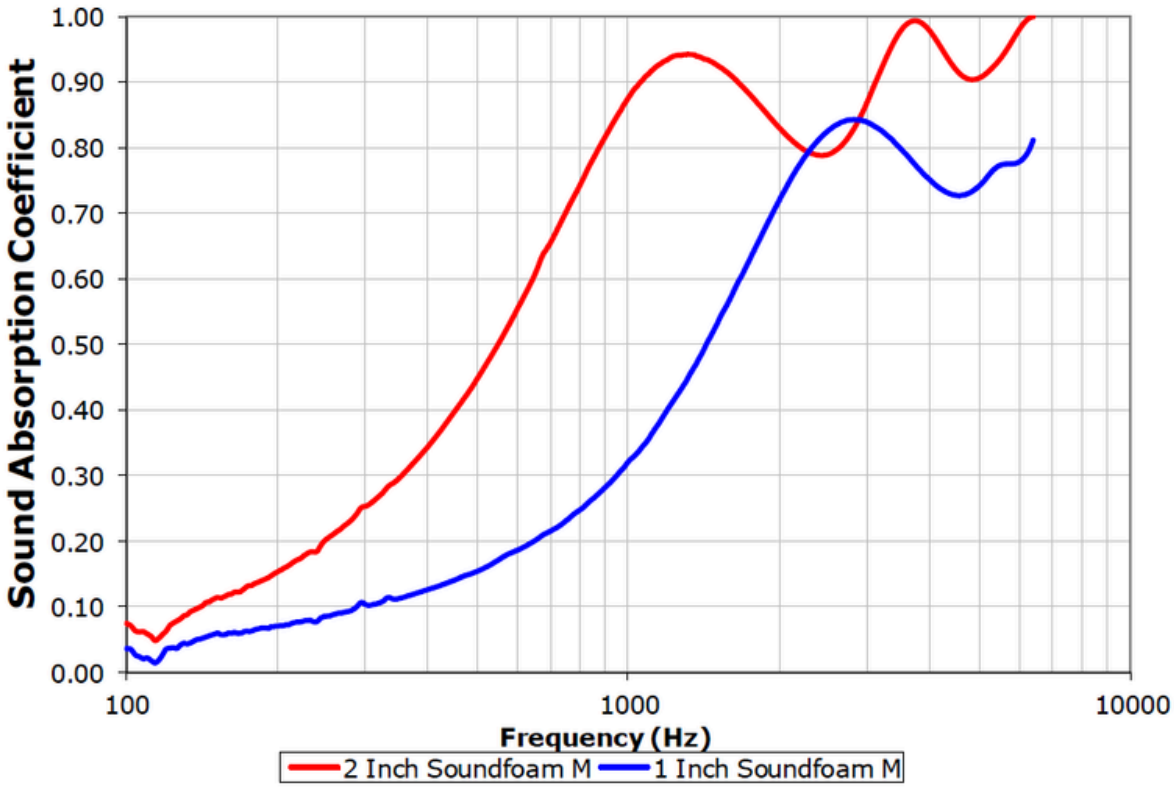


Figure 1 - Normal Incidence Sound Absorption (ASTM E1050)

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Visit soundcoat.com to see our complete line of absorption, barrier, damping, sealing, and thermal materials.

For further information on meeting specific requirements and for optimum product configuration, contact our Technical Support Department at 1-800-394-8913.

The information contained herein is based on laboratory test data developed by or for Soundcoat and is believed to be reliable, but its accuracy or completeness is not guaranteed. The buyer must test this product to determine its suitability for his/her specific application before use. Only use a Soundcoat product after thoroughly consulting instructions on the data sheet for the specific product. SOUNDCOAT DISCLAIMS ANY RESPONSIBILITY FOR 1) WARRANTIES OF FITNESS AND PURPOSE, 2) VERBAL RECOMMENDATIONS, 3) CONSEQUENTIAL DAMAGES FROM USE, AND 4) VIOLATION OF ANY PATENTS OR TRADEMARKS HELD BY OTHERS.

Properties subject to change without notice. Check with Soundcoat for latest revisions. Flame, smoke, toxicity performance is not intended to reflect hazards presented by this material under actual fire conditions. The Federal Trade Commission considers that there are no existing test methods or standards regarding flammability that are accurate indicators of the performance of cellular plastic materials under actual fire conditions. Any results of existing test methods are intended for measurements of the relative performance of such materials under specific controlled test conditions.

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