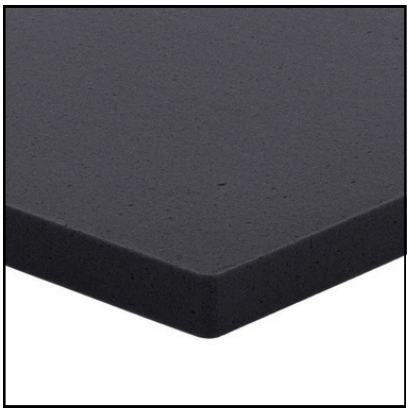
TECHNICAL DATA SHEET

SOUNDFOAM ML D

SOUNDCOAT



PRODUCT DESCRIPTION

Soundfoam ML D is the latest in the Soundcoat melamine foam portfolio for thermal-acoustic absorption. Featuring Basotect® EcoBalanced melamine resin foam, Soundfoam ML D is a fiber-free, lightweight, flexible, open cell, and acoustic quality foam, which also offers compelling sustainability characteristics.

- Offers up to 50% lower Product Carbon Footprint (PCF) over other Soundcoat melamine foams.
- Manufactured in a resource-efficient process that utilizes 100% green electricity.
- Fossil raw materials are replaced with renewable feedstock from biowaste at the beginning of the production value chain and attributed via a mass balance approach.
- Certified according to REDcert², a voluntary sustainability certification scheme.

Soundfoam ML D has the same material performance as respective Soundfoam melamine materials, including excellent sound absorption and flammability resistance. It does not drip upon ignition, ceases to burn after removal of source of ignition, and produces a minimal amount of smoke.

Soundfoam ML D is the darkest color offering available (nearly black!) making it an excellent choice for visible applications that demand an elevated aesthetic.

MARKETS

TYPICAL APPLICATIONS

- Launch vehicles, satellites, engine power systems, planes, and helicopters
- 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

BASF's Basotect® EcoBalanced partner

PRODUCT CONFIGURATIONS

- Plain
- Protective surface treatments:
  - Heavy Mass Barrier
  - Kapton®
  - Nomex®
  - Nomex®/Tedlar®
  - PEEK
  - PEKK
  - Tedlar®
- Available in custom die-cut parts, 48 x 96" sheets, and spliced rolls

PHYSICAL PROPERTIES

Material Type	Melamine foam
Color	Ultra dark gray
Density	8.5±.1.5 kg/m³ (0.53 ± 0.09 lb/ft³)
Operating Temperature	-43°C (-45°F) to 220°C (428°F)
Tensile Strength	>100 kPa (>14.5 psi)
Elongation	>18%
Compression Set	>5 kPa (>0.73 psi)
Thermal Conductivity	≤ 0.04 (W/(m*K) (< 0.023 Btu/(hr·ft·°F))
Flame Resistance	UL94 V - 0 UL94 HF-1

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
Phone: 949.955.9202 | Fax: 949.222.0834

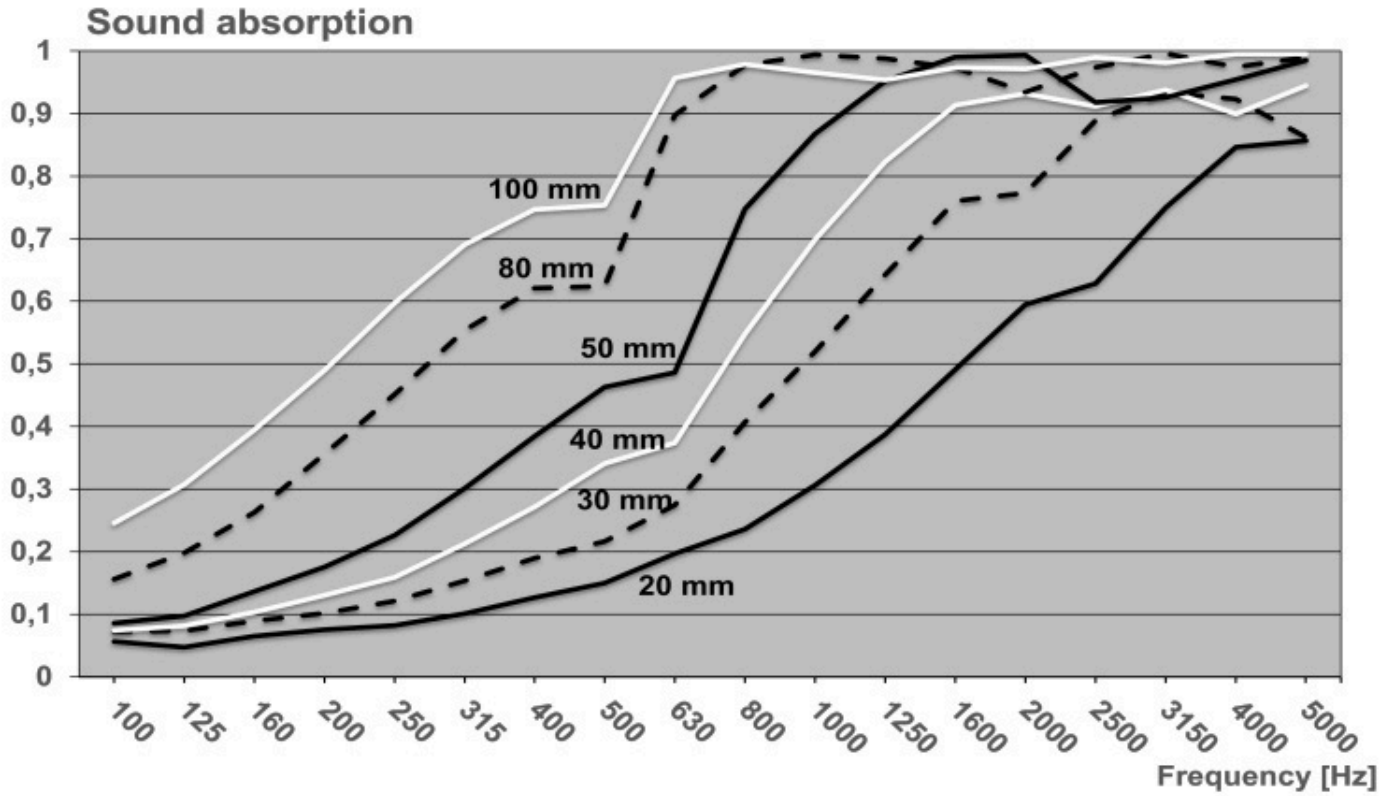
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SOUNDFOAM ML D

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PERFORMANCE



Rev. date 11/13/2026

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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