

## PRODUCT DESCRIPTION

Soundfoam ML HY ULb is an ultra-lightweight, flexible, open cell, melamine based acoustic quality foam, but with the added benefit of being water and oil repellent, which is ideal for aerospace and other sensitive applications and is qualified to BMS8-385 as Grade 2 Type 1 material.

Soundfoam ML HY ULb has excellent flammability resistance\* and meets the requirements of FAR 25.856(a). It does not drip upon ignition, ceases to burn after removal of source of ignition, and produces a minimal amount of smoke. Compared with some glass fiber based acoustical products, Soundfoam ML ULb has better strength, lower compression set, and higher resilience.

Product image is shown with PEEK film facing.

*\*Bare foam only, flammability may vary when used in a composite.*

## MARKETS



## TYPICAL APPLICATIONS

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

## PHYSICAL PROPERTIES

<b>Material Type</b>	Melamine foam
<b>Color</b>	Yellow
<b>Density</b>	.375±.05 lb/ft <sup>3</sup>
<b>Operating Temperature</b>	-43°C (-45°F) to 220°C (428°F)
<b>Tensile Strength</b>	6 PSI Min
<b>Elongation</b>	15%
<b>Compression Set</b>	<20%
<b>Thermal Conductivity</b>	0.25 BTU in./h ft <sup>2</sup> °F
<b>Flame Resistance</b>	FAR 25.856(a) FAR 25.853(b) UL94 HF-1 UL94 V0 ASTM E162 <25 ASTM E662 <100 ASTM E84 25/50

## PRODUCT CONFIGURATIONS

- Plain
- Protective surface treatments:
  - Heavy Mass Barrier
  - Kapton®
  - Nomex®
  - Nomex®/Tedlar®
  - PEEK
  - PEKK
  - Tedlar
  - Reinforced metallized mylar
- Available without hydrophobic treatment. See Technical Data Sheet "Soundfoam ML ULb"
- Available in custom die-cut parts, 48 x 96" sheets, and spliced rolls

## THE SOUNDCOAT PROMISE

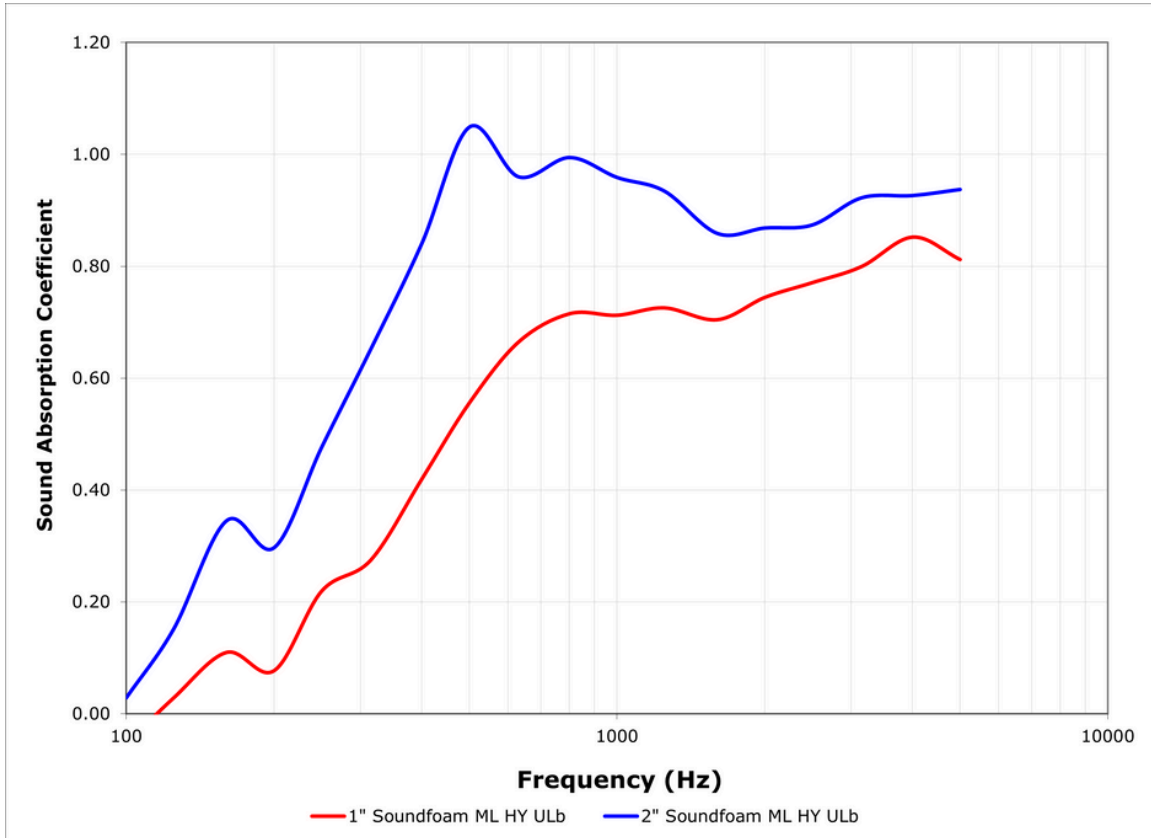
*We have one goal: to enhance the customer experience by providing world-class products manufactured under ISO 9001:2015 and AS9100:2016 standards in one of our modern manufacturing facilities strategically located on each coast.*

*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.*



PERFORMANCE



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Visit [soundcoat.com](http://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.*

Kapton®, Nomex®, and Tedlar® are registered trade names of Dupont Corporation.