



PRODUCT DESCRIPTION

Soundfoam O is an acoustic quality, open cell, flexible polyester based polyurethane foam. It is based on unique urethane foam formulation to provide a uniform cell structure that resists degradation, high physical properties, excellent sound absorption, good heat, humidity, flame* and chemical resistance.

The sound absorption performance of elastic porous materials is determined mainly by the porosity and air flow resistance (air permeability) of the materials, and Soundfoam O is one member of this class of materials.

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

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	Polyester polyurethane foam
Color	Charcoal gray
Density	2.0±0.2 lb/ft ³
Operating Temperature	-43°C (-45°F) to 110°C (230°F)
Tensile Strength	20 PSI Min
Elongation	200%
Compression Set	<10%
Thermal Conductivity	0.25 BTU in./h ft ² °F
Flame Resistance	UL Recognized as UL 94 HF1 with and without Matte Film MVSS-302

PRODUCT CONFIGURATIONS

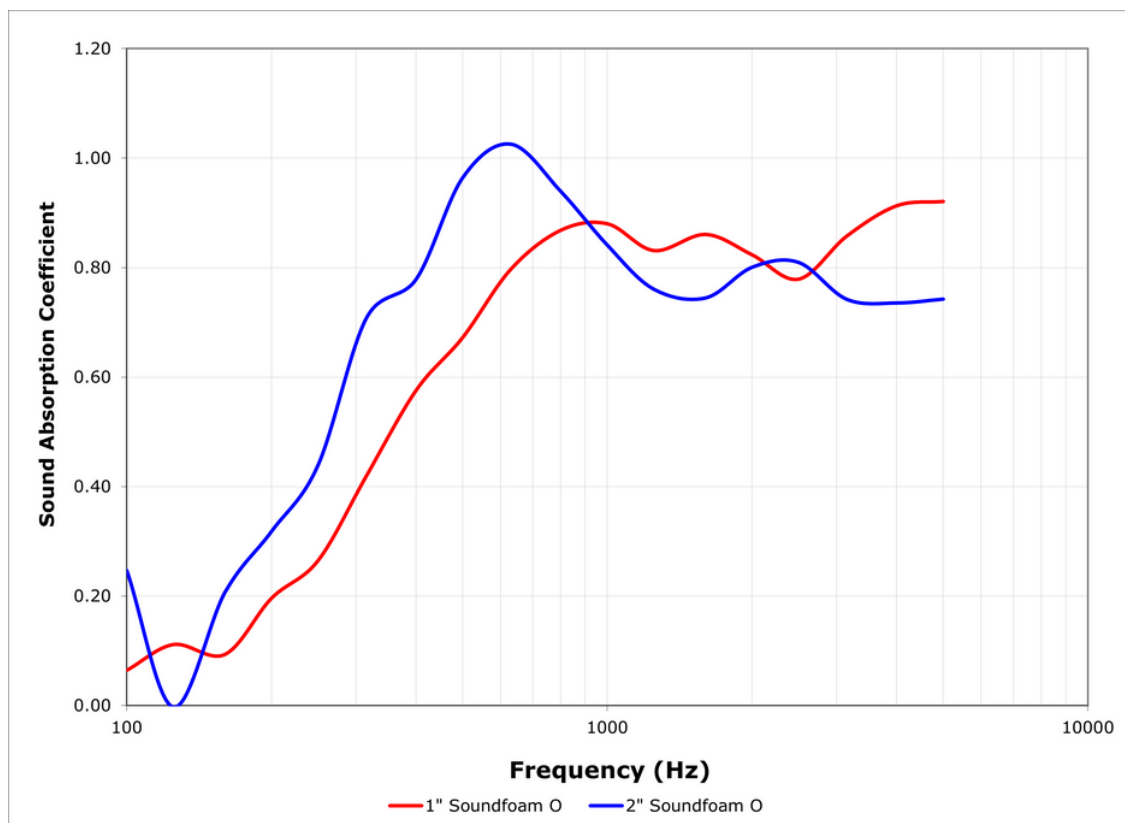
- Plain
- Embossed
- Protective & decorative surface treatments:
 - Uniseal
 - Matte polyurethane film
 - Metalized Mylar
 - Perforated PVC
 - Tedlar®
 - Nomex®
- Available in custom die-cut parts, sheets, 54" wide rolls, and kits.
- Supplied with one of several high-performance pressure sensitive adhesives 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.

**PERFORMANCE**

Rev. date 10/2/2025

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.

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