

DuPont™ LoWave™ Acoustic Material with Low Frequency Attenuation

TECHNICAL DATA SHEET



DuPont™ LoWave™
Acoustic Material

DuPont™ LoWave™ acoustic material is a high performance noise and vibration control solution designed to mitigate low, mid, and high frequency energy in one composite. The unique combination of patented acoustical and vibration absorbing technology with standard acoustic materials, provides enhanced low frequency noise (below 300 Hz) and vibration attenuation on a mass per sq. ft. basis. DuPont™ LoWave™ attenuates both airborne noise and structure-borne vibration. DuPont™ LoWave™ is a thin, lightweight, easy-to-install composite, with various components that can be designed to meet your unique application requirements. LoWave™ is available in panels, rolls or custom configurations. DuPont™ LoWave™ can replace standard acoustic materials without altering machine design or existing infrastructure.

Applications

Specifically tuned to mitigate common mechanical noise and vibration; DuPont™ LoWave™ solves difficult acoustical challenges from both broadband noise and pure tones generated by compressors, chillers, fans, motors, generators and other mechanical equipment. DuPont™ LoWave™ composites can be flexible or rigid to accommodate various applications: equipment housings, custom parts, enclosures and/or metal panels. Available facings permit the composite to be used in either indoor or outdoor applications.

Product Format

- **Panels:** custom widths, lengths, thickness, weight, facings. Options: grommets, Velcro, baffled vents, roof panels, doors, windows, supports, track and hardware.
- **Rolls:** 4' x 25'. Options: bound or unbound edges, Velcro, grommets, edge tape.
- **Available facing colors:** white
- **Available barrier colors:** gray, tan, blue or olive drab

Product Data:

- **Detailed Description:** Combination of the following layers: quilted melamine foam, mass layer, nonwoven, limp mass barrier, quilted fiberglass batting with vinyl coated fabric facing.
- **Flammability:** Class A (or 1) flammability rating per ASTM E84. Flame Spread: 25
Smoke density: 65
- **Nominal thickness:** 1-2 inches
- **Standard width:** 48 inches wide
- **Roll length:** 25 feet long
- **Roll weight:** 150 – 300 pounds
- **Linear density:** 1.5-3.0 lb/ft²



The miracles of science™

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