



**SOLUTION**  
L&L Acoustic

**VERSION**  
January 2022

# L-6004

## Aircraft Flexible Sound Barrier.



### PRODUCT DESCRIPTION

L&L Products Flexible Sound Barrier provides a lightweight acoustic insulation layer between the fuselage and the cabin lining of commercial passenger aircraft and business jets.

In collaboration with National Nonwovens, a wide range of acoustic blanket configurations are available to solve customer specific needs.

## Key Product Attributes

- Moldable into three-dimensional shapes
- Flexible yet tear resistant
- Good thermal dimensional stability
- Sewable
- Easy to install and mount
- Odor free

## Typical Application Areas

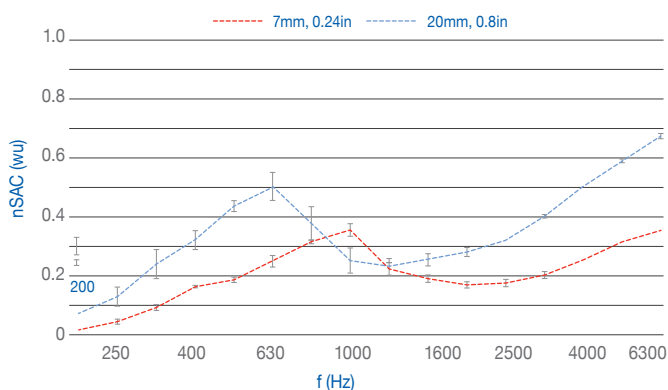
- Overframe blankets
- Crew rest compartments
- Curtains
- Floors

## Technical Data

The following information and data should be considered typical and should not be used for specification.

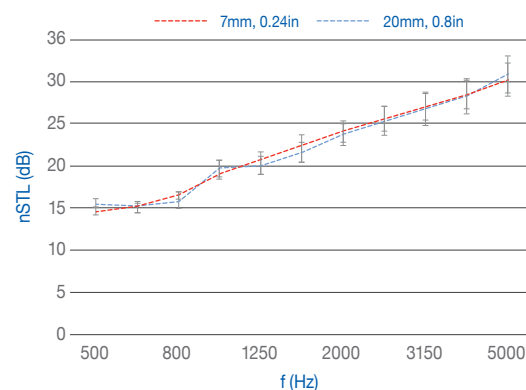
|                       |                    | L-6004  | Test Method           |
|-----------------------|--------------------|---|-----------------------|
| Physical Properties   | Type               | Film  |                       |
|                       | Color              | White   |                       |
|                       | Moldable / Sewable | Yes / Yes   |                       |
|                       | Thickness          | 0.7mm, 1.1mm, 1.8mm / 0.027in, 0.044in, 0.070in   |                       |
|                       | Area Weight        | 1.0kg/m <sup>2</sup> , 1.5kg/m <sup>2</sup> , 2.4kg/m <sup>2</sup><br>0.2 psf, 0.3 psf, 0.5 psf |                       |
| Mechanical Properties | Tensile Modulus    | > 27.6 MPa / > 4,000 psi  |                       |
|                       | Tear Strength      | > 17.5 N/mm / >100 lbf/in   | ASTM D624             |
| Fire Properties       | Vertical Burn      | Pass  | FAR Part 25§25.853(a) |
|                       | After Flame Value  | Pass < 3 seconds  | Part 25 §25.856 (a)   |

FELT\*/0.2PSF FILM/FELT\* CONFIGURATION  
NORMAL INCIDENCE SOUND ABSORPTION COEFFICIENT  
ASTM E1050-12 - ISO 10534-2



\* National Nonwovens Silnt™ needlepunched.

FELT\*/0.2PSF FILM/FELT\* CONFIGURATION  
NORMAL INCIDENCE SOUND TRANSMISSION LOSS  
ASTM E2611-09



## Product Form

Product available in 61.5in (1562mm) wide x 100yds (91m) rolls except for the 0.5psf which is available in 50yds (46m).

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