

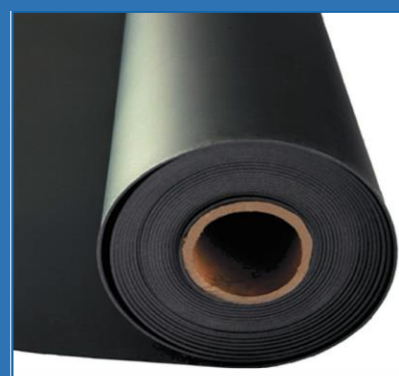


Data Sheet

Sonic-Shield Noise Barrier

Sonic-Shield™ Noise Barrier is a flexible mass loaded vinyl (MLV) that reduces the transmission of noise through walls, panels, partitions and enclosures. It won't shrink, rot or cause metal corrosion and also features a strong resistance to adverse environmental conditions, oils, weak acids and alkalis. Furthermore, Sonic-Shield™ Noise Barrier does not contain hazardous materials, lead or other heavy metals.

Typical mechanical and acoustical properties for Sonic-Shield™ are provided in the tables below.



Standard Roll Sizes

1 lb/sf: 4.5' x 30' (135 sf)

2 lb/sf: 4.0' x 25' (100 sf)

Typical Mechanical Properties

Weight Density	1 lb/sf
Thickness	0.100"
Tensile Strength	400 psi
Tear Strength	70 lb/in
Ultimate Elongation	200%
Flammability	SE "O" in/min
Temperature Range	-40°F to 180°F

Typical Acoustical Properties (STC)

Frequency (Hz)	1 lb/sf	2 lb/sf
125	16	16
250	17	22
500	22	26
1000	27	32
2000	31	35
4000	36	40
STC	26	31

The Sound Transmission Class (STC) is obtained through testing by a certified laboratory to ASTM standards. The STC describes how well the material attenuates airborne sound, and is generally related to the amount of noise that the material is capable of attenuating. For example, a typical wall in a residential house has an STC of 33, meaning that it can attenuate 33 dB from one side of the wall to the other. The addition of Sonic-Shield™ to the wall can significantly increase the STC to over 50. Additional noise reduction can be obtained by using Sonic-Shield™ with a sound absorbing material, such as Sonic-Fiber™.

For other product information, technical assistance or ordering, please call Sonic-Shield at 888-769-0766 or on-line at www.sonic-shield.com