

Soundsulate™ Mass Loaded Vinyl Non-Reinforced Rolls

DATA SHEET

Soundsulate™ Mass Loaded Vinyl is a flexible, non-reinforced mass loaded vinyl that resists the passage of sound waves and reduces the transmission of airborne noise. MLV is ideal for direct application to the noise source and/or to the housing covering the noise source.

Soundsulate Mass Loaded Vinyl is the material of choice to block sound. It packs a large amount of mass into a minimal thickness. Ideal for a quieter home or work environment without compromising the space or dimensions of a room. Flexible and easy to cut, MLV is used in many applications such as Walls, Pipes, Ducts, Floors, Ceilings, Fences or Vehicles. Soundsulate MLV is non-toxic and odorless. It is available in various thicknesses and lengths.

Typical Physical Properties for MLV100:

Weight	1 lb./sq. ft.
Tensile Strength	2,750 KPa (400 psi)
Tear Strength	92 lb./in.
Thickness	.100"
Ultimate Elongation	135%
Flammability	self extinguishing
Temperature Range	-40°F to 180°F

Acoustical Properties

Mass Loaded Vinyl type Noise Barrier provides the following noise reduction.

Noise transmission loss (dB)/Frequency (Hz)

Hz	125	250	500	1000	2000	4000	STC
dB by density:							
50	8	13	17	22	27	31	20
100	11	15	21	27	33	39	26
150	17	19	25	31	36	44	29
200	16	22	26	32	35	40	31



STANDARD ROLL SIZE BY DENSITY:

soundsulate™	Density	Roll Size
50	(½ lb./sq. ft.)	48" x 50'
100	(1 lb./sq. ft.)	48" x 25'
100	(1 lb./sq. ft.)	48" x 50'
100	(1 lb./sq. ft.)	54" x 30'
100	(1 lb./sq. ft.)	54" x 60'
50	(1½ lb./sq. ft.)	48" x 25'
200	(2 lb./sq. ft.)	48" x 25'

BULK ROLL SIZES AVAILABLE

50	(½ lb./sq. ft.)	48" x 505'
100	(1 lb./sq. ft.)	48" x 255'
100	(1 lb./sq. ft.)	54" x 245'
150	(1½ lb./sq. ft.)	48" x 130'
200	(2 lb./sq. ft.)	48" x 130'

In addition, the reduction of airborne noise and mass properties exhibited by soundsulate™ are attained without the use of hazardous lead or heavy metals.