

DESCRIPTION

ITW's Mass Loaded Vinyl Noise Barrier is a flexible, non-reinforced mass loaded vinyl that resists the passage of soundwaves and reduces the transmission of airborne noise. This mass loaded vinyl is ideal for direct application to the noise source and/or to the housing covering the noise source.

ITW's Vinyl Noise Barrier won't shrink, rot or cause metal corrosion and also features a strong resistance to adverse environmental conditions, oils, weak acids and alkalis. The vinyl can be combined with acoustical foams, mineral, glass fiber and ceramic fiber insulation wool to provide lightweight, efficient composites with high transmission losses over a broad frequency range.

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

STANDARD ROLL SIZE

(by Density)

- 100 (1lb./sq.ft.) - 48" x 50'
- 150 (1lb./sq.ft.) - 48" x 50'
- 200 (1lb./sq.ft.) - 48" x 25'

TYPICAL PHYSICAL PROPERTIES

- Weight 2 lb/sq. ft.
- Tensile Strength 2,750 KPa (400 psi)
- Tear Strength 12.5 Kg/cm (70 lbs/in.)
- Thickness200"
- Ultimate Elongation 200%
- Flammability SE "0" in/min.
- Temperature Range -70°F to 180°F

ACOUSTICAL PROPERTIES

(per ASTM E-90)

NOISE TRANSMISSION LOSS (DB) FREQUENCY (HZ)

| HZ | 125 | 250 | 500 | 1000 | 2000 | 4000 | STC |
|----|-----|-----|-----|------|------|------|-----|
|----|-----|-----|-----|------|------|------|-----|

db by density

| | | | | | | | |
|--------|----|----|----|----|----|----|----|
| CP-100 | 16 | 17 | 22 | 27 | 31 | 36 | 26 |
| CP-150 | 17 | 19 | 25 | 31 | 36 | 44 | 29 |
| CP-200 | 16 | 22 | 26 | 32 | 35 | 40 | 31 |