Description
Kinetics KNM is a mass-loaded, limp, vinyl barrier material. KNM barriers are used for enclosing noise sources, either draped around equipment, process piping, suspended between equipment and quiet areas, or lagged to the equipment casing. Easy to cut and install. Available as KNM-B, KNM-RB, and KNM-C.

KNM-B
Limp barrier material, unreinforced and loaded with barium sulphate. Available in 0.50 psf (2.44 kg/m²), 1.00 psf (4.88 kg/m²), and 2.0 psf (9.76 kg/m²).

KNM-RB
Limp barrier material, reinforced with a fiberglass screen, and loaded with barium sulphate. Available in 0.50 psf (2.44 kg/m²) and 1.00 psf (4.88 kg/m²).

KNM-C
Clearview barrier material, very limp, tough, water clear, nonloaded and non-reinforced. Available in 0.50 psf (2.44 kg/m²) and 1.00 psf (4.88 kg/m²).

See more product details on page 2.

Application
Industrial process piping acoustic wrap
Acoustic liner for machinery covers
Wall and door septum
Enclosing noise sources
Suspended between equipment and quiet areas
Rooftop curb noise barrier

KNM-C clearview noise barriers are recommended for use in applications where it is necessary to maintain visual contact, yet achieve a high degree of noise reduction.

Specification
Barrier material shall meet the sound transmission loss and physical properties performance and the flammability standards listed in this brochure.

Barrier material shall be resistant to water, oils, weak acids, alkalies, and fungi, and have excellent weather resistance.

Barrier material to be Model KNM by Kinetics Noise Control, Inc.
## Sound Transmission Loss, dB

ASTM E90-09: Tested as free hanging barrier

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**KNM-50B**

Limp barrier material, unreinforced and loaded with barium sulphate.

- Weight: 0.5 psf (2.44 kg/m²)
- Nominal Thickness: 0.05" (1.25 mm)
- Color: Black
- 54-inch x 20-yard (1372 mm x 18.2 m) rolls

**KNM-100B — FIRE RATED**

Limp barrier material, unreinforced and loaded with barium sulphate.

- Weight: 1.0 psf (4.88 kg/m²)
- Nominal Thickness: 0.10" (2.50 mm)
- Color: Black
- 54-inch x 20-yard (1372 mm x 18.2 m) rolls

**Fire Testing per ASTM E84-15b**

- Class A
- Flame Spread: 15
- Smoke Developed: 300

**KNM-200B**

Limp barrier material, unreinforced and loaded with barium sulphate.

- Weight: 2.0 psf (9.76 kg/m²)
- Nominal Thickness: 0.20" (5.00 mm)
- Color: Black
- 47.5-inch x 10-yard (1206 mm x 9.1 m) rolls

**KNM-50RB**

Limp barrier material, reinforced with a fiberglass screen, and loaded with barium sulphate.

- Weight: 0.5 psf (2.44 kg/m²)
- Nominal Thickness: 0.05" (1.25 mm)
- Color: Light Tan
- 54-inch x 20-yard (1372 mm x 18.2 m) rolls

**KNM-100RB**

Limp barrier material, reinforced with a fiberglass screen, and loaded with barium sulphate.

- Weight: 1.0 psf (4.88 kg/m²)
- Nominal Thickness: 0.10" (2.50 mm)
- Color: Grey
- 54-inch x 20-yard (1372 mm x 18.2 m) rolls

**KNM-50C**

Clearview barrier material, nonloaded and non-reinforced. Very limp, tough and water clear.

- Weight: 0.5 psf (2.44 kg/m²)
- Nominal Thickness: 0.05" (1.25mm)
- Color: Clear
- 48-inch x 20-yard (1219 mm x 18.2 m) rolls

**KNM-100C**

Clearview barrier material, nonloaded and non-reinforced. Very limp, tough and water clear.

- Weight: 1.0 psf (4.88 kg/m²)
- Nominal Thickness: 0.10" (2.50mm)
- Color: Clear
- 48-inch x 20-yard (1219 mm x 18.2 m) rolls