

DESCRIPTION/SPECIFICATIONS

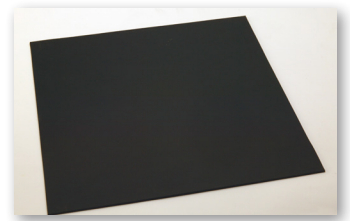
RPR Products 1 # Mass Filled Vinyl (MFV) is a lead free, limp, dense filled (barium sulfate) vinyl polymer, direct blended and compounded, then formed through an extruded manufacturing process.

1 # MFV is supplied 36" and 48" wide in both rolled and sheet form, cut to length to specified stretch out.

APPLICATIONS

1 # Mass Filled Vinyl (MFV) has been utilized by design engineers along with fibrous insulation as an effective treatment in reducing industrial and commercial noise sources such as:

- Equipment
- Piping
- Ductwork
- Vibration and damping treatment
- Other noise control applications



Increased noise reduction can be achieved using multiple layers, or septums.

SOUND DEADENING ACOUSTICAL MEASUREMENTS

- Absorption – Noise Reduction Coefficient (NRC)
 - Tests the ability of an insulation material to absorb incident sound waves
 - Non-absorbed sound is transferred through material
- Sound Transmission Loss – Sound Transmission Class (STC)
 - Tests the ability of insulation material to block sound waves
 - Purpose is to minimize transfer from one space to another
- Damping – Material Loss Coefficient (MLC)
 - Tests the ability of material to absorb vibration (mechanical or sound) and then dissipate the energy within the material into heat

SOUND TRANSMISSION LOSS (STL) per ASTM E90 (90A)

Results listed below for typical 1# MFV:

dB Frequency Hz	125	250	500	1000	2000	4000
STL (dB)	13	17	22	26	32	37

Physical Properties of Material

Typical 1# MFV:

Physical Property	Test Method
Service Temperature - (-20)°F to 180°F	N/A
Tensile - 600 PSI minimum	ASTM - D412
Elongation - 125% minimum	ASTM - D412
Hardness - 80 +/- 5 Shore a Durometer	ASTM - D2240
Flammability - UL94 (Meets HF) FMVSS302	Self-Extinguishing - Pass