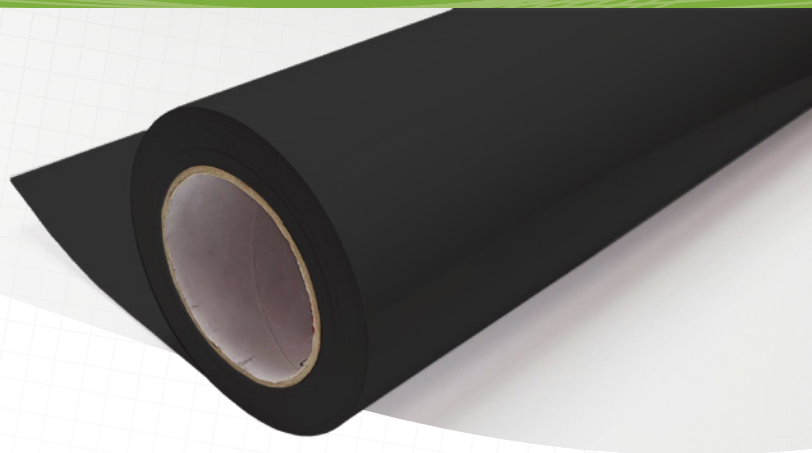


# MASS LOADED VINYL SEPTUM



## PRODUCT DESCRIPTION

Ideal Products Mass Loaded Vinyl (MLV) is a high density, non-reinforced mass loaded vinyl barrier, designed to have both high density and good flexibility. These features are important in its ability to provide sound attenuation properties and reduce noise transmission in commercial and industrial applications.

MLV is a noise blocking material known as a “Limp Mass Barrier.” The material is comprised of two principle ingredients: Vinyl and Barium Sulfate. Barium Sulfate is used due to its unique properties—it is non-toxic and has a high relative density. This latter attribute of high density is what makes Mass Loaded Vinyl so effective in sound blocking.

MLV is also highly durable, and will not promote or cause corrosion. It is naturally resistant to extreme weather conditions, oil, and acids.

## PRODUCT APPLICATION

MLV can be used in a variety of commercial and industrial applications, in conjunction with various other insulation products and systems including but not limited to power generation facilities, LNG systems, pipelines, and HVAC.

MLV can also be used for acoustic blankets and sound curtains, as well as laminating to drywall, metal cladding or mechanical insulation.

## PHYSICAL PROPERTIES

DESCRIPTION	NOMINAL THICKNESS (")	STANDARD WIDTH (")	STANDARD LENGTH (LFT)	WEIGHT (LB/SFT)
MLV005	0.042	48	50	0.5
MLV010	0.100	48	50	1.0
MLV020	0.225	48	50	2.0

## ACOUSTICAL PERFORMANCE

### SOUND TRANSMISSION LOSS / ASTM E-90 & E-413

DESCRIPTION	OCTAVE BAND FREQUENCIES (Hz)						
	125	250	500	1000	2000	4000	STC
MLV005	8	13	17	22	27	31	20
MLV010	13	17	22	26	32	37	26
MLV020	16	22	26	32	35	40	31

## TYPICAL CHARACTERISTICS (MLV010)

TENSILE STRENGTH	220 PSI
ELONGATION	140%
SERVICE TEMPERATURE	-20°F to 180°F
FLAMABILITY	Self Extinguishing

**Safer. Smarter. Faster.**

