

DATA SHEET

GLT Products Vinaflex® (VN) Noise Barrier is a flexible, non-reinforced mass loaded vinyl that resists the passage of sound waves and reduces the transmission of airborne noise. Vinaflex® (VN) is ideal for direct application to the noise source and/or to the housing covering the noise source.

Vinaflex® (VN) 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. Vinaflex® (VN) can be combined with acoustical foams, mineral wool, glass fiber and ceramic fiber insulation to provide lightweight, efficient composites with high transmission losses over a broad frequency range.

Typical Physical Properties			
	1 lb	2 lb	Test Standard
Basis Weight	16 oz./sq. ft.	2 lb./sq. ft.	
Tensile Strength	300 psi	275 psi	ASTM D-412
Tear Strength	75 psi	75 psi	ASTM D-624
Thickness	.100 in	.200 in	
Elongation	110%	110%	ASTM D-412
Flammability	SE (Self extinguishing)	SE (Self extinguishing)	FMVSS 302
Shrinkage	1%	1%	
Cold Crack	100% p	50% p	

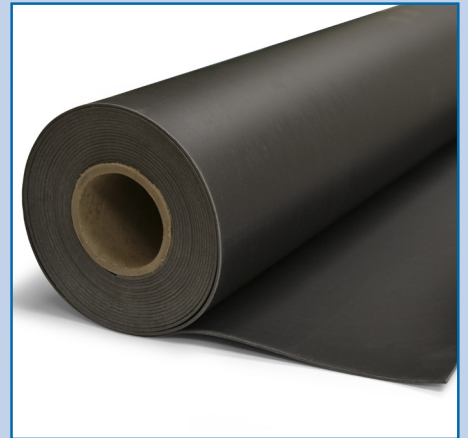
Other Characteristics		
Service Temp	Approximately 0°F to 200°F	Approximately 0°F to 200°F
Storage	Preferably keep clean and dry	Preferably keep clean and dry
Reduction of sound transmission	(STC 27 / Def. 30 / OITC 23)	(STC 32 / Def. 28 / OITC 28)
Application & handling conditions	Application temperature approximately 32°F to 150°F	Application temperature approximately 32°F to 150°F

Acoustical Properties

Vinaflex® type VN Noise Barrier provides the following noise reduction.

Noise transmission loss (dB)/Frequency (Hz)

Hz	125	250	500	1000	2000	4000	STC
dB by density:							
VN-050	8	13	17	22	27	31	20
VN-100	16	17	22	27	31	36	26
VN-150	17	19	25	31	36	44	29
VN-200	19	23	27	32	37	42	32



STANDARD ROLL SIZE BY DENSITY:

Vinaflex®	Vinaflex® Density	Roll Size
VN-50	(½ lb./sq. ft.)	48" x 50'
VN-100	(1 lb./sq. ft.)	48" x 25'
VN-100	(1 lb./sq. ft.)	48" x 50'
VN-100	(1 lb./sq. ft.)	54" x 30'
VN-100	(1 lb./sq. ft.)	54" x 60'
VN-150	(1½ lb./sq. ft.)	48" x 25'
VN-200	(2 lb./sq. ft.)	48" x 25'

BULK ROLL SIZES AVAILABLE

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

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

* Custom roll lengths available upon request.