



## ***AMSN MARINE ACOUSTIC BARRIER MAB-NL***

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MAB-NL is designed and engineered to attenuate airborne noise through the utilization of limp mass. MAB-NL materials are loaded with barium sulfate. This mass is then applied to a 100% fiberglass cloth.

MAB-NL products are used by themselves or with a variety of insulation filler materials, such as fiberglass, polyurethane foam, mineral wool or polyimide foam. This composite end product creates a material that has desirable transmission loss

MAB-NL products are used as the top or middle layers in composite insulation systems requiring transmission loss. These composites are attached to decks, bulkheads, overheads or machinery casings per standard application details found in NAVSEA drawings 804-5773931 and 804-5773932.

MAB-NL products are used for silencing noisy equipment such as gear boxes, generators, reduction gears, turbines or pumps. It is also used to quiet sensitive areas on board Navy ships.

MAB-NL materials have excellent TLT properties, high tensile and tear strength, a high degree of flame resistance, are very durable or are easily fabricated for installation.

MAB-NL meets Mil-PRF-24699. It is available in .75, 1.0 and 1.5 lb/sf surface densities. MAB-NL products are offered in 54" wide rolls.

**Disclaimer: This information contained herein is believed to be accurate and correct. However, no warranty, implied or expressed, is made, regarding its accuracy or the results to be obtained from the use of this information.**



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PHYSICAL PROPERTIES	<i>MAB 75NL</i>	<i>MAB 100NL</i>	<i>MAB 150NL</i>
Surface Density (lb/ft <sup>2</sup> )	0.75	1.00	1.50
Filler Material	Barium Sulfate	Barium Sulfate	Barium Sulfate
Thickness (in.)	0.080	0.11	0.14
Breaking Force (lb/in.)			
WARP	400	400	400
FILL	300	300	300
Tearing Strength (lb/in.)			
WARP	50	50	50
FILL	40	40	40
Flexural Rigidity (in-lb)			
45° F	<1.0	<1.0	<1.0
133° F	<0.3	<0.3	<0.3
Peel Strength (lb/in)			
WARP	4.0	4.0	4.0
FILL	2.0	2.0	2.0
Flammability			
Flame Spread Index	<30	<30	<30
Smoke Density	<300	<350	<450
Sound Transmission Loss (dB)			
125 Hz	10	12	14
250Hz	14	16	19
500 Hz	19	21	24
1000 Hz	25	26	31
2000 Hz	30	32	36
4000 Hz	35	38	42
Toxicity (HHA)	NAVSEA HHA Letter Dated 3AUG10		
Mil-PRF-24699	Type 1; Class 1	Type 1; Class 2	Type 1; Class 3

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