



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

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**AMSN MAB-SL is designed and engineered to attenuate airborne noise through the utilization of limp mass. AMSN MAB-SL materials are loaded with silicone and barium sulfate. This mass is then applied to a 100% fiberglass cloth. The fiberglass cloth can be applied to one or both sides of the mass. AMSN MAB-SL is also available without the fiberglass cloth backing (unsupported).**

**AMSN MAB-SL products are used by themselves or with a variety of insulation filler materials, such as fiberglass, mineral wool or polyimide foam. This composite end product creates a material that has desirable transmission loss (TLT) characteristics.**

**Because AMSN MAB-SL is silicone loaded, it exhibits excellent fire resistance and offgassing properties.**

**AMSN MAB-SL 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. It is also used as a deck seal for floating decks onboard USN ships and submarines.**

**AMSN MAB-SL 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.**

**AMSN MAB-SL is available in 1/4, 1/2, 3/4, 1, and 1-1/2 lb/sf densities. Standard width is 36" and the roll length varies with the density.**

**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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<b>PHYSICAL DATA</b>	<b>MAB-SL25</b>	<b>MAB-SL50</b>	<b>MAB-SL75</b>	<b>MAB-SL100</b>	<b>MAB-SL150</b>
Weight (oz/sy)	36	72	112	144	216
Filler Material	SILICONE	SILICONE	SILICONE	SILICONE	SILICONE
Thickness (in.)	0.029	0.055	0.078	0.100	0.114
Service Temperature °F	-90 degrees F to +400 degrees F				
Breaking Strength (lb/in.)					
WARP	215	215	215	215	215
FILL	100	100	100	100	100
Tearing Strength (lb/in.)					
WARP	30	30	30	30	30
FILL	16	16	16	16	16
Vertical Burn FAR 25.853 (a & b)	PASS	PASS	PASS	PASS	PASS
Flammability (sec) FTMS-191A-5903					
After Flame	2.6	2.6	2.6	2.6	2.6
After Glow	2.6	2.6	2.6	2.6	2.6
Char Length	0.4	0.4	0.4	0.4	0.4
Smoke Density (DM) ASTM E-662					
Flaming	100	100	100	100	100
Smoldering	150	150	150	150	150
Surface Flammability ASTM E-162					
Radiant Heat, Flame Spread Index	<10		<15		
Off Gasing (ppm) MIL-M-14G					
CO	240	240	240	240	240
HCN	0	2	2	2	2
HCl	2	2	2	2	
NO + NO <sub>2</sub>	1	1	1	1	1
Phosgene	.5	.5	.5	0.5	0.5
Aldehydes	.5	.5	.5	0.5	0.5
Ammonia	0	0	0	0	0
CO <sub>2</sub>	2500	2500	2500	2500	2500
Transmission Loss (dB) ASTM-E90					
125 Hz	7	12	14	14	15
250Hz	8	14	17	19	21
500 Hz	11	16	20	22	24
1000 Hz	16	22	25	28	30
2000 Hz	21	27	30	33	36
4000 Hz	25	31	36	38	41
STC	16	22	25	27	30
Standard Width (in)	36	36	36	36	36
Standard Roll Length (ft)	120	90	60	45	30

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