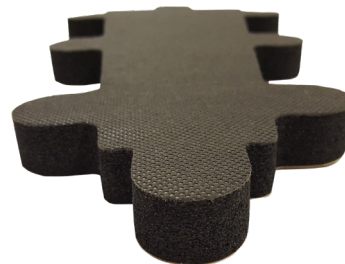


MilCore™

MilCore™ is an extremely lightweight and cost effective thermal insulation made from a NBR/PVC closed cell foam and a black spunbond fabric facing. The fabric is a durable non-marring and non-perforated material that is UV stable and does not absorb liquid or allow bacterial growth. The elastomeric foam improves equipment performance through lasting protection against water intrusion, heat gain or loss and condensation formation. Together these two materials form a composite that can be used in tough environments while still being easy to install and having the ability to conform to various applications. MilCore™ meets the flammability requirements of FMVSS-302. It is available with or without a pressure sensitive adhesive.

TYPICAL APPLICATIONS:

- Cab Insulation
- Protective Padding
- Sport & Leisure



Typical Physical Properties: Fabric

Specification	Test Method	Typical Results
Basis Weight	ASTM D3776-09	3 osy ± 15%
MD Tensile @ Peak	ASTM D5034-09	40 lbs min
CD Tensile @ Peak	ASTM D5034-09	30 lbs min
MD Elongation @ Peak	ASTM D5034-09	31% min
CD Elongation @ Peak	ASTM D5034-09	50% min
MD Trap Tear	ASTM D4533-91	15 lbs min
CD Trap Tear	ASTM D4533-91	12 lbs min
Flammability	FMVSS-302	Pass

Typical Physical Properties: Closed Cell Foam

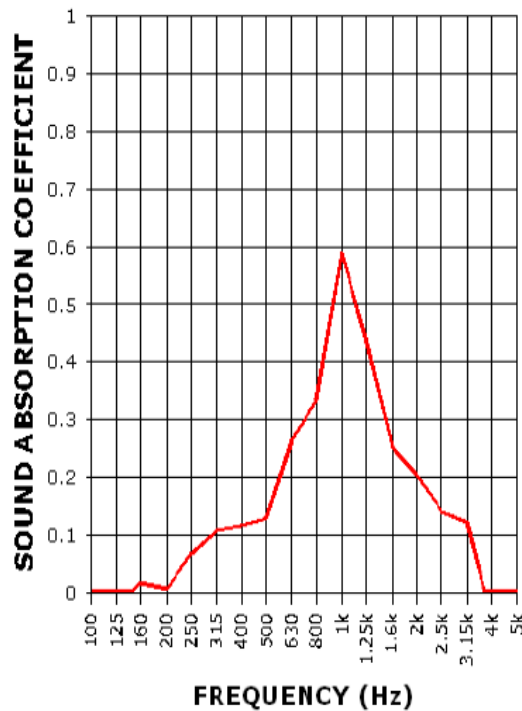
Specification	Test Method	Typical Results
ASTM D1056 Classification		2B1 (B1, C1, F1, M)
Density	ASTM D1056	3-5 lbs/ft ³
Water Absorption	ASTM D1056	10% max
Tensile Strength	ASTM D412 (Die A)	30 psi min
Elongation	ASTM D412 (Die A)	100% min
Compression Resistance 25% 50%	ASTM D1056	2-4 psi 7-9 psi
Tear Strength	ASTM D624 (Die C)	4.5 lbs/in min
Compression Set, 50%	ASTM D1056	30% max
Flammability	ASTM D5132 FMVSS-302 UL94 HF-1, V-0, 5VA FAR 25.853	Pass Pass Listed Pass
Temperature Range	ASTM D1056	-40° to +220°F
Accelerated Aging <i>Flexibility</i> <i>Appearance Change</i> <i>Change in Compression Deflection</i>	ASTM D1056	Pass None ± 30%
Ozone Resistance	ASTM D1171	Pass
Fluid Immersion (%)	ASTM D1056 (Fuel B)	100% max
Thermal Conductivity (75°F)	ASTM C177	0.24 BTU•in/hr•ft ² •°F
Specification Compliance	Ford: WSS-M99P32-C Ford: WSK-M2D419-A GM: 15473 Chrysler: MS-AY-516 Chrysler: MSZ-75 J18	Type II Class I, Type IV (Tensile deviation) Type I 2C1

Closed Cell Foam Sound Data: 1 in Foam

1/3 Octave Center Frequency (Hz)	Absorption Coefficient	Total Absorption In Sabins
100	0.00	0.00
125	0.00	0.00
160	0.02	1.19
200	0.00	0.34
250	0.07	4.83
315	0.11	7.66
400	0.12	8.22
500	0.13	9.21
630	0.26	18.75
800	0.33	23.80
1000	0.59	42.04
1250	0.43	30.90
1600	0.25	18.07
2000	0.20	14.52
2500	0.14	9.92
3150	0.12	8.65
4000	-0.05	-3.72
5000	-0.07	-5.06

SAA = 0.22

NRC = 0.25



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