



AEROFLEX[®]

Closed Cell Elastomeric EPDM Thermal/ Acoustic Insulation



**THE IDEAL EPDM THERMAL/
ACOUSTIC INSULATION
FOR HVAC & R**

COMPLETE SOLUTION TO INSULATION





EPDM Closed Cell Elastomeric Thermal Insulation (Non - Polar)

Application Areas

- Duct Insulation.
- Chilled Water piping
- Roof Insulation.
- Refrigerant Piping
- Raised Floor Insulation.
- Underslab Insulation.
- General Thermal Insulation (large diameter pipes, tanks, vessels, etc).
- AC Unit Insulation (internal insulation of units, evaporators, etc).
- Clean Room Applications
- Cold Storage Applications.
- Solar Plumbing Applications.
- Transport Segment AC Units



EPDM insulation specification sheet

PHYSICAL PROPERTIES		AEROFLEX				TEST METHOD	
Cell Structure		Closed cell					
Density (g/cm³)		60±10% kg/m³				ASTMD 1667	
Thermal conductivity (W/mk)	Mean temp.	(-20°C)	(0°C)	(24°C)	(32°C)	(40°C)	ASTM C177 JIS A 1412 DIN 52613
	K-value	0.031	0.033	0.035	0.0365	0.0374	
Service temperature		-200°C to 125°C*				AEROFLEX becomes hard at -57°C, but can be used even at -200°C	
Water Vapor permeability perm-in (g/Pa.s.m) Moisture Resistance factor		μ ≥ 10000				EN12086	
Ozone Resistance		No crack				ASTM D 1149	
Fungal Resistance		Antifungal				ASTM G21	
Bacteria		Antibactria				ASTM 2180	
Flammability & Smoke, Density		Class I				BS 476 Part 7	
		Class 'O'				BS476 Part 6	
		Class V O				UL-94	
		25/50				ASTM E 84	
		Self - extinguishing				ASTM D 635	
		Class 5.3				EMPA (Switzerland)	
		Non-Flammable				JIS K 6911	
		Pass				IMO	
U.V. Weather Resistance		Excellent				—	
Corrosion of copper, stainless		Non corrosive				DIN 1988	
Nitrosamine Contents		Non detected				U.S. FDA	
Sound reduction (ΔL)		27 dB (20 mm)				DIN 52218	

* For temperature range of 175°C, please contact our technical team

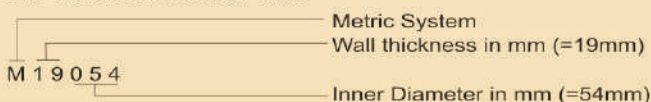
Box Packing

Code	Size			
	Thickness (mm)	Width (m)	Length (m)	Area/Roll (m ²)
MSR 03*	3	1.0	45	45
MSR 06*	6	1.0	22	22
MSR 09*	9	1.0	15	15
MSR 13*	13	1.0	11	11
MSR 16	16	1.0	10	10
MSR 19	19	1.0	7	7
MSR 25	25	1.0	5	5
MSR 32	32	1.0	4	4
MSR 38	38	1.0	3	3
MSR 50	50	1.0	2	2

Note: Packing may be subjected to change without prior notice.

* 3,6 and 9 mm thick sheet have one side skin.

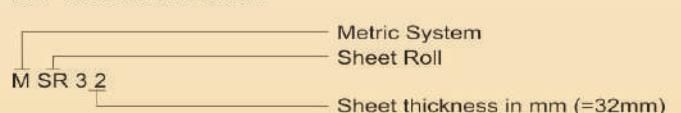
ALP Aeroflex Insulation Tube:



Plastic Sheet Packing (as per Nitrile sheet)

Code	Size			
	Thickness (mm)	Width (m)	Length (m)	Area/Roll (m ²)
MSR 03*	3	1.0	50	50
MSR 06*	6	1.0	40	40
MSR 09*	9	1.0	30	30
MSR 13*	13	1.0	25	25
MSR 16	16	1.0	20	20
MSR 19	19	1.0	15	15
MSR 25	25	1.0	10	10
MSR 32	32	1.0	8	8
MSR 38	38	1.0	6	6
MSR 50	50	1.0	4	4

ALP Aeroflex Sheet Roll:





ALP AEROFLEX® EPDM Insulation Tube (Non-Polar)

PRODUCT FEATURES

- Closed Cell Elastomeric Insulation
- All Weather Resistant
- UV and Ozone Resistant
- Nitrosamine free (in accordance to FDA norms)
- Non Polar
- Anti Fungal as per ASTM G21
- Anti Bacterial as per ASTM 2180
- Excellent Thermal Insulation, Energy Saving
- Ideal for VRV, Chilled water pipe insulation
- Excellent for Solar applications
- Environment friendly
- Temp. range -200°C to 125°C*
- Does not corrode copper tubing
- CFC/ HCFC free
- Free from Cracking
- Quick and easy installation

* For Temperature range of 175°C please contact our technical team

ALP AEROFLEX® EPDM Insulation tube : 2m length/ Piece

I.D. SIZE		Code number (Quantity: Pcs/Carton)								
MM	INCH	L.P.S	6 mm wall	9 mm wall	13 mm wall	19 mm wall	25 mm wall	32 mm wall	38 mm wall*	50 mm wall*
6	1/4"	—	M06006 (378)	M09006 (208)	M13006 (120)	M19006 (56)	M25006 (35)	—	—	—
10	3/8"	—	M06010 (238)	M09010 (154)	M13010 (90)	M19010 (45)	M25010 (30)	—	—	—
13	1/2"	1/4"	M06013 (195)	M09013 (120)	M13013 (72)	M19013 (42)	M25013 (24)	M32013 (20)	—	—
16	5/8"	3/8"	M06016 (154)	M09016 (99)	M13016 (63)	M19016 (35)	M25016 (20)	M32016 (16)	M38016 (12)	—
19	3/4"	—	M06019 (120)	M09019 (80)	M13019 (56)	M19019 (30)	M25019 (20)	M32019 (12)	M38019 (12)	—
22	7/8"	1/2"	M06022 (99)	M09022 (72)	M13022 (48)	M19022 (30)	M25022 (20)	M32022 (12)	M38022 (12)	—
25	1"	3/4"	M06025 (80)	M09025 (63)	M13025 (42)	M19025 (30)	M25025 (20)	M32025 (12)	M38025 (9)	M50025 (6)
28	1-1/8"	—	M06028 (72)	M09028 (56)	M13028 (42)	M19028 (20)	M25028 (20)	M32028 (12)	M38028 (9)	M50028 (6)
32	1-1/4"	—	M06032 (56)	M09032 (42)	M13032 (36)	M19032 (20)	M25032 (16)	M32032 (12)	M38032 (9)	M50032 (4)
35	1-3/8"	1"	M06035 (48)	M09035 (42)	M13035 (30)	M19035 (20)	M25035 (14)	M32035 (9)	M38035 (6)	M50035 (4)
38	1-1/2"	—	M06038 (42)	M09038 (35)	M13038 (30)	M19038 (20)	M25038 (12)	M32038 (9)	M38038 (6)	M50038 (4)
42	1-5/8"	1-1/4"	M06042 (42)	M09042 (30)	M13042 (25)	M19042 (19)	M25042 (12)	M32042 (9)	M38042 (6)	M50042 (4)
45	1-3/4"	—	—	M09045 (30)	M13045 (20)	M19045 (12)	M25045 (12)	M32045 (6)	M38045 (6)	M50045 (4)
48	1-7/8"	1-1/2"	—	M09048 (20)	M13048 (20)	M19048 (12)	M25048 (12)	M32048 (6)	M38048 (6)	M50048 (4)
51	2"	—	—	M09051 (20)	M13051 (20)	M19051 (12)	M25051 (9)	M32051 (6)	M38051 (6)	M50051 (4)
54	2-1/8"	—	—	M09054 (20)	M13054 (16)	M19054 (12)	M25054 (9)	M32054 (6)	M38054 (6)	M50054 (4)
57	2-1/4"	—	—	M09057 (20)	M13057 (12)	M19057 (12)	M25057 (9)	M32057 (6)	M38057 (4)	M50057 (4)
60	2-3/8"	2"	—	M09060 (20)	M13060 (12)	M19060 (12)	M25060 (9)	M32060 (6)	M38060 (4)	M50060 (4)
64	2-1/2"	—	—	M09064 (16)	M13064 (12)	M19064 (9)	M25064 (6)	M32064 (6)	M38064 (4)	M50064 (2)
67	2-5/8"	—	—	M09067 (12)	M13067 (12)	M19067 (9)	M25067 (6)	M32067 (6)	M38067 (4)	M50067 (2)
73	2-7/8"	2-1/2"	—	M09073 (12)	M13073 (12)	M19073 (6)	M25073 (6)	M32073 (4)	M38073 (4)	M50073 (2)
76	3"	—	—	M09076 (12)	M13076 (11)	M19076 (6)	M25076 (6)	M32076 (4)	M38076 (4)	M50076 (2)
80	3-1/8"	—	—	M09080 (12)	M13080 (9)	M19080 (6)	M25080 (6)	M32080 (4)	M38080 (4)	M50080 (2)
83	3-1/4"	—	—	M09083 (9)	M13083 (9)	M19083 (6)	M25083 (4)	M32083 (4)	M38083 (4)	M50083 (2)
90	3-1/2"	3"	—	M09090 (9)	M13090 (9)	M19090 (6)	M25090 (4)	M32090 (4)	M38090 (2)	M50090 (2)
92	3-5/8"	—	—	—	M13092 (6)	M19092 (6)	M25092 (4)	M32092 (4)	M38092 (2)	M50092 (2)
98	3-7/8"	—	—	—	M13098 (6)	M19098 (4)	M25098 (4)	M32098 (4)	M38098 (2)	M50098 (1)
102	4"	—	—	—	M13102 (6)	M19102 (4)	M25102 (4)	M32102 (2)	M38102 (2)	M50102 (1)
105	4-1/8"	—	—	—	M13105 (6)	M19105 (4)	M25105 (4)	M32105 (2)	M38105 (2)	M50105 (1)
108	4-1/4"	—	—	—	M13108 (4)	M19108 (4)	M25108 (4)	M32108 (2)	M38108 (2)	M50108 (1)
115	4-1/2"	4"	—	—	M13115 (4)	M19115 (4)	M25115 (2)	M32115 (2)	M38115 (2)	M50115 (1)
130	5-1/8"	—	—	—	M13130 (4)	M19130 (2)	M25130 (2)	M32130 (2)	M38130 (1)	—
140	5-1/2"	5"	—	—	M13140 (2)	M19140 (2)	M25140 (2)	M32140 (1)	M38140 (1)	—
165	6-1/2"	6"	—	—	M13165 (2)	M19165 (2)	M25165 (2)	M32165 (1)	M38165 (1)	—

Note : The above are standard sizes always kept in stock. For other I.D. and wall thickness, it may be available upon request.

* 38mm. and 50mm. thick tube may be slitted lengthwise

ALP AEROFLEX® Average Nominal Wall Thickness Insulation Tube

I.D. SIZE	nominal wall 3/8" (9mm)	nominal wall 1/2" (13mm)	nominal wall 3/4" (19mm)	nominal wall 1" (25mm)	nominal wall 1-1/4" (32mm)	nominal wall 1-1/2" (38mm)	nominal wall 2" (50mm)
9 mm to 28 mm	9 1	12.5 1	19 1	25 1	32 2	38 2	50 2
32 mm to 80 mm	9.5 1	13.5 1	20 1	26 1	33 2	39 2	51 2
90 mm to 140 mm	10 1	14.5 1	21 1	27 1	34 2	40 2	52 2

Remark: I.D size 9 mm to 28 mm... + approx 1.5 mm, I.D size 35 mm to 80 mm... + approx 2.0 mm
I.D size 90 mm to 140 mm... + approx. 3.0 mm. Aeroflex 6 length... 182 + 3 cm Aeroflex 2 meter length... 202 + 3 cm

ALP AEROFLEX[®]
ACCESSORIES

**The High Quality
Self Adhesive
Insulation EPDM Tape**

(3mm thick x 50mm wide x 9.1m long x 20 Pcs per Box)



AEROTAPE[®]

PROTAPE[™]



**Self-adhesive EPDM Elastomeric Tape
for extra protection against humidity**

0.6mm x 25mm x 25mtr x 24 pcs per box
0.6mm x 50mm x 25mtr x 12 pcs per box

**Self-adhesive Aluminium foil tape
for protecting and clading tubes
and sheets joints**



ALUTAPE[®]

50mm x 50yds x 24 pcs per box

AEROSEAL[®]



**Adhesive for bonding
closed cell elastomeric insulation**

700gm per Can x 12 Can per box
3500gm per Can x 3 Can per box

**POLYMERIC RIGID FOAM
SUPPORT WITH FOAM TAPE
AND SELF-SEALING TAPE**

Supporting and fixing of pipes used in Chilling,
Air-conditioning and Refrigeration systems.



AEROFIX[™]

AERODUCT[™]

**TWO PLY DOUBLE FACING FLEXIBLE
ALUMINIUM AIR DUCT**

TWO PLY



MORE DURABLE!

Ideal for

- Heating and Cooling System
- All Airconditioning and Ventilating System
- Exhausting System

