

AEROFLEX® - T

1st IN INDIA EPDM INSULATION TUBINGS
"NO PROBLEM INSULATION"

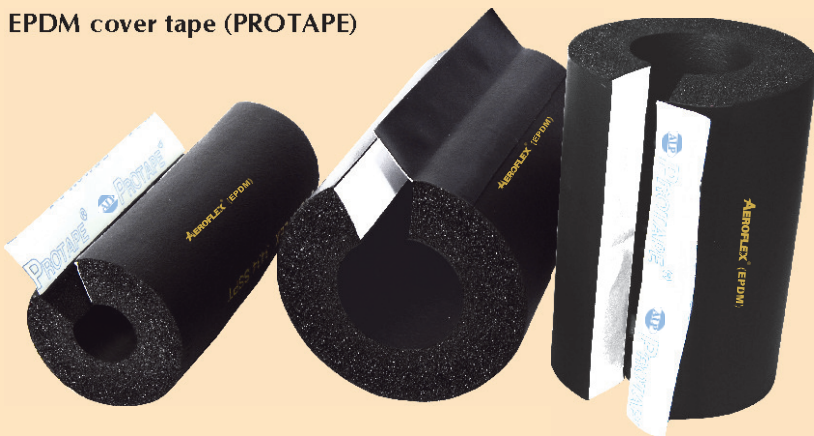
- All Weather Resistant
- UV/ Ozone Resistant
- Nitrosamine free - in accordance to US FDA
- Non Polar (Resistance to Humidity)
- Anti Fungal as per ASTM G21
- Longer Life
- Excellent and stable Thermal Insulation ($k = 0.033 \text{ W/mK}$)
- High Vapour Resistant
- Ideal for VRV/ Chilled water application
- Excellent for **Solar** application
- Environment friendly
- Temp. range -200°C to 125°C^*
- Does not corrode copper tubing
- CFC/ HFC free
- Free from Cracking



Cracked & Brittled
Normal Tube

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

For insulating already installed piping, we offer SS/PT (RETROFIT)
pre-slit insulation tubes with self adhesive tape and
EPDM cover tape (PROTAPE)



Excellent insulation for chilled/ hot water/ refrigeration pipelines.

CONDENSATION CONTROL NOMOGRAPH

Directions

This nomograph is for your convenience in determining the required thickness of ALP-Aeroflex Closed Cell Insulation for cold pipes of airconditioning systems, when cold pipe temperature, room temperature, and relative humidity are already known.

How to determine the required thickness of ALP-Aeroflex insulation

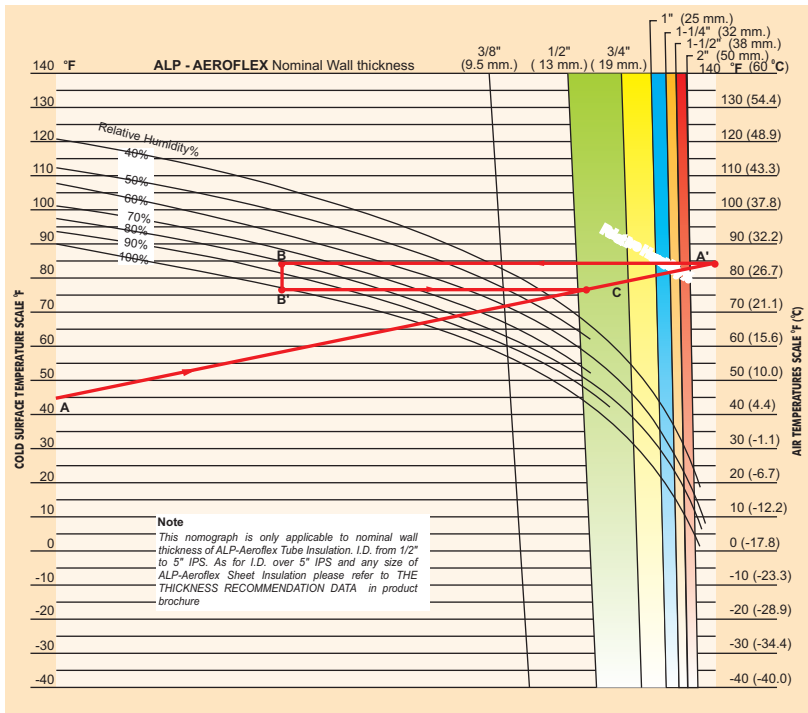
EXAMPLE:

Cold Pipe Surface Temp. 45°F (7.2°C)
Room Temperature 85°F (29.4°C)
Relative Humidity 80%

1. Connect 45°F (point **A**) on Cold Surface Temperature Scale, and 85°F (point **A'**) on Air Temperature Scale with a straightedge, forming straight line between **A** and **A'**.

2. From point **A'**: follow the horizontal line up to the relative humidity 80% curve. From this intersection (point **B**), draw a straight vertical line to the relative humidity 100% curve (point **B'**-saturation curve). Point **B'** (78.2°F, 25.7°C) shows DEW POINT value of the above mentioned atmosphere (air temp. 85°F, relative humidity 80%).

3. From point **B'**: draw a backward straight line, until it intersects the line **A-A'** (point **C**). Point **C** shows the proper thickness of Aflex-Aeroflex Closed Cell Insulation (Vertical lines 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2" and 2"). To avoid any condensation problem, the 3/4" nominal wall thickness should be used in the situation indicated above.



Note
This nomograph is only applicable to nominal wall thickness of ALP-Aeroflex Tube Insulation. I.D. from 1/2\" to 5\" IPS. As for I.D. over 5\" IPS and any size of ALP-Aeroflex Sheet Insulation please refer to THE THICKNESS RECOMMENDATION DATA in product brochure

Calculate the thickness of ALP-Aeroflex insulation by using computer programme is also available, please contact at www.alpoverseas.com

EPDM Insulation Tubes :2m Length/Piece

I.D. SIZE		Code number (Quantity: Pcs/Cartron)								
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 : * 38mm. and 50mm. thick tube and 6" to 10" dia tubes available on request.

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