

AEROFLEX[®]-EP Class 0

CLOSED CELL ELASTOMERIC THERMAL INSULATION

AEROFLEX[®] - EP Class 0 No. M13013

AEROFLEX[®] - EP Class 0 No. M13013

AEROFLEX[®] - EP Class 0 No. SR12

SIZE 1/2" WALL x 48" WIDTH.



For high Efficiency of fire
Propagation Performance



Made in Thailand

AEROFLEX-EP[®] Class 0



AEROFLEX-EP Class 0 is a light weight, flexible closed cell elastomeric thermal insulation in both sheet and tube form designed for insulating liquid cooling and heating pipe lines and also air ducting system to save energy and prevent condensation.

AEROFLEX-EP Class 0 standard sheet and tube elastomeric thermal insulation are widely used to save energy and prevent condensation problem on chilled water and refrigeration systems. They also efficiently reduce heat flow on hot water plumbing, liquid heating and dual temperature piping.

AEROFLEX-EP Class 0 Specification:

PHYSICAL *1 PROPERTIES		AEROFLEX-EP Class 0					TEST METHOD
Cell structure		Closed Cell					-
Density lbs/ft ³ (Kg/m ³)		3.0-5.0 (48-80)					ASTM D 1667
Thermal Conductivity (W/mk)	Mean Temp	0°C	20°C	24°C	40°C	50°C	EN ISO 8497
	K-Value	0.035	0.038	0.039	0.040	0.042	
Service temperature *2		-45 °C to + 125 °C					Aeroflex-EP class 0 becomes hard at -45°C, but can be used even at -200°C
Water Absorption		≤10% (by weight)					ASTM D 1056
Water Vapor Permeability Perm.in		≤ 0.10					ASTM E 96
Fire Performance							
• Flame Spread		Class 1					BS 476 Part 7
• Fire Propagation		Total Index (I) ≤ 12 Sub Index (i) ≤ 6					BS 476 Part 6
• Fire Classification		Class 0					BS 476 Part 6 & 7

Note: *1. Figures show the average values obtained by world well-known testing institutes.

*2. At temperature under -45°C, Aeroflex-EP Class 0 becomes hard but it doesn't affect thermal conductivity value.

STANDARD PACKING

AEROFLEX-EP Class 0 Insulation Tube : 2 Meters Length/Piece

I.D. SIZE		I.P.S.	Code number [Quantity : Pieces/Carton]								
MM	INCH		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 (180)	M09006 (132)	M13006 (80)	M19006 (32)	M25006 (24)	-	-	-	-
10	3/8"	-	M06010 (140)	M09010 (110)	M13010 (70)	M19010 (32)	M25010 (24)	M32010 (14)	-	-	-
(12)13	1/2"	1/4"	M06013 (110)	M09013 (84)	M13013 (60)	M19013 (32)	M25013 (20)	M32013 (14)	M38013 (10)	M50013 (4)	-
(15)16	5/8"	3/8"	M06016 (80)	M09016 (70)	M13016 (50)	M19016 (28)	M25016 (18)	M32016 (14)	M38016 (8)	M50016 (4)	-
(18)19	3/4"	-	M06019 (70)	M09019 (60)	M13019 (40)	M19019 (24)	M25019 (18)	M32019 (14)	M38019 (8)	M50019 (4)	-
22	7/8"	1/2"	M06022 (70)	M09022 (54)	M13022 (32)	M19022 (20)	M25022 (16)	M32022 (12)	M38022 (8)	M50022 (4)	-
25	1"	3/4"	M06025 (60)	M09025 (44)	M13025 (30)	M19025 (18)	M25025 (12)	M32025 (10)	M38025 (8)	M50025 (4)	-
28	1-1/8"	-	M06028 (50)	M09028 (36)	M13028 (28)	M19028 (18)	M25028 (12)	M32028 (8)	M38028 (8)	M50028 (4)	-
32	1-1/4"	-	M06032 (40)	M09032 (34)	M13032 (24)	M19032 (18)	M25032 (12)	M32032 (8)	M38032 (8)	M50032 (4)	-
35	1-3/8"	1"	M06035 (40)	M09035 (32)	M13035 (20)	M19035 (16)	M25035 (10)	M32035 (8)	M38035 (6)	M50035 (4)	-
38	1-1/2"	-	M06038 (32)	M09038 (30)	M13038 (18)	M19038 (12)	M25038 (10)	M32038 (8)	M38038 (6)	M50038 (4)	-
42	1-5/8"	1-1/4"	M06042 (30)	M09042 (28)	M13042 (18)	M19042 (12)	M25042 (8)	M32042 (8)	M38042 (6)	M50042 (4)	-
45	1-3/4"	-	M06045 (28)	M09045 (24)	M13045 (18)	M19045 (10)	M25045 (8)	M32045 (8)	M38045 (6)	M50045 (4)	-
48	1-7/8"	1-1/2"	M06048 (24)	M09048 (20)	M13048 (16)	M19048 (10)	M25048 (8)	M32048 (6)	M38048 (6)	M50048 (3)	-
51	2"	-	-	M09051 (18)	M13051 (14)	M19051 (8)	M25051 (8)	M32051 (6)	M38051 (4)	M50051 (3)	-
54	2-1/8"	-	-	M09054 (18)	M13054 (14)	M19054 (8)	M25054 (8)	M32054 (6)	M38054 (4)	M50054 (3)	-
57	2-1/4"	-	-	M09057 (18)	M13057 (14)	M19057 (8)	M25057 (8)	M32057 (6)	M38057 (4)	M50057 (3)	-
60	2-3/8"	2"	-	M09060 (18)	M13060 (12)	M19060 (8)	M25060 (6)	M32060 (4)	M38060 (4)	M50060 (3)	-
64	2-1/2"	-	-	M09064 (16)	M13064 (10)	M19064 (8)	M25064 (6)	M32064 (4)	M38064 (4)	M50064 (3)	-
67	2-5/8"	-	-	M09067 (14)	M13067 (10)	M19067 (8)	M25067 (6)	M32067 (4)	M38067 (4)	M50067 (3)	-
73	2-7/8"	2-1/2"	-	M09073 (10)	M13073 (10)	M19073 (6)	M25073 (6)	M32073 (4)	M38073 (3)	M50073 (2)	-
76	3"	-	-	M09076 (10)	M13076 (8)	M19076 (6)	M25076 (6)	M32076 (4)	M38076 (3)	M50076 (2)	-
80	3-1/8"	-	-	M09080 (10)	M13080 (8)	M19080 (6)	M25080 (6)	M32080 (4)	M38080 (3)	M50080 (2)	-
83	3-1/4"	-	-	M09083 (10)	M13083 (8)	M19083 (6)	M25083 (6)	M32083 (4)	M38083 (3)	M50083 (2)	-
90	3-1/2"	3"	-	M09090 (8)	M13090 (8)	M19090 (6)	M25090 (4)	M32090 (4)	M38090 (3)	M50090 (2)	-
92	3-5/8"	-	-	M09092 (8)	M13092 (8)	M19092 (6)	M25092 (4)	M32092 (4)	M38092 (3)	M50092 (2)	-
98	3-7/8"	-	-	M09098 (8)	M13098 (8)	M19098 (4)	M25098 (4)	M32098 (2)	M38098 (3)	M50098 (2)	-
102	4"	-	-	M09102 (8)	M13102 (8)	M19102 (4)	M25102 (4)	M32102 (2)	M38102 (2)	M50102 (2)	-
105	4-1/8"	-	-	M09105 (6)	M13105 (6)	M19105 (4)	M25105 (4)	M32105 (2)	M38105 (2)	M50105 (2)	-
115	4-1/2"	4"	-	M09115 (6)	M13115 (6)	M19115 (4)	M25115 (4)	M32115 (2)	M38115 (2)	M50115 (2)	-
130	5-1/8"	-	-	M09130 (4)	M13130 (4)	M19130 (4)	M25130 (2)	M32130 (2)	M38130 (2)	M50130 (2)	-
140	5-1/2"	5"	-	M09140 (4)	M13140 (4)	M19140 (4)	M25140 (2)	M32140 (2)	M38140 (2)	M50140 (2)	-
165	6-1/2"	6"	-	M09165 (4)	M13165 (4)	M19165 (2)	M25165 (2)	M32165 (2)	M38165 (2)	M50165 (2)	-

Note : Other ID and wall thickness are available upon request.

AEROFLEX-EP Class 0 Pre-Cut Sheet Insulation (4 Feet Length/Sheet)

I.D. Size [IPS]	Sheet Size	Code Number [Quantity : Sheets/Carton]					
		1/2" wall (13 mm)	3/4" wall (20 mm)	1" wall (25 mm)	1-1/4" wall (32 mm)	1-1/2" wall (38 mm)	2" wall (50 mm)
4-1/2" (4"IPS)	17" x 48"	P12412 (24)	P34412 (16)	P10412 (12)	P114412 (10)	P112412 (8)	P20412 (6)
5-1/2" (5"IPS)	21" x 48"	P12512 (12)	P34512 (8)	P10512 (6)	P114512 (5)	P112512 (4)	P20512 (3)
6-1/2" (6"IPS)	24" x 48"	P12612 (12)	P34612 (8)	P10612 (6)	P114612 (5)	P112612 (4)	P20612 (3)
8-1/2" (8"IPS)	30" x 48"	P12812 (12)	P34812 (8)	P10812 (6)	P114812 (5)	P112812 (4)	P20812 (3)
10-1/2" (10"IPS)	36" x 48"	P121012 (12)	P341012 (8)	P101012 (6)	P1141012 (5)	P1121012 (4)	P201012 (3)

Note : The above sheet size is for 1" wall thickness. For other thickness pre-cut sheet size will vary to cover circumference

AEROFLEX-EP Class 0 Standard Sheet Insulation (4 Feet x 3 Feet Sheet)

Sheet Size	Code Number [Quantity : Sheets/Carton]								
	1/8" wall	1/4" wall	3/8" wall	1/2" wall	3/4" wall	1" wall	1-1/4" wall	1-1/2" wall	2" wall
36" x 48"	S 1843 (48)	S 1443 (24)	S 3843 (16)	S 1243 (12)	S 3443 (8)	S 1043 (6)	S11443 (5)	S11243 (4)	S 2043 (3)

AEROFLEX-EP Class 0 Continuous Sheet Roll (4 Feet Width Roll)

Code	Size			
	Thickness (inch)	Width (ft)	Length (ft)	Ft ² /Roll
SR 18*	1/8"	4	150	600
SR 14*	1/4"	4	72	288
SR 38*	3/8"	4	50	200
SR 12*	1/2"	4	36	144
SR 58	5/8"	4	32	128
SR 34	3/4"	4	23	92
SR 10	1"	4	18	72
SR 114	1-1/4"	4	13	52
SR 112	1-1/2"	4	10	40
SR 20	2"	4	8	32

Note : *1/8", 1/4", 3/8", 1/2", thick sheet have one side skin.

Decoding of Aeroflex Insulation:

Aeroflex Insulation Tube :

M 1 9 0 5 4
 Metric System
 Wall thickness in mm [=19 mm]
 Inner Diameter in mm [=54 mm]

Aeroflex Insulation Sheet:

S 1 1 4 4 3
 Standard Sheet
 Size 4 feet x 3 feet Sheet
 Sheet thickness in inch [=1-1/4"]

Aeroflex Insulation Sheet Roll :

SR 1 0
 Sheet Roll
 Thickness of the sheet in inch [=1"]

AEROFLEX INTERNATIONAL DISTRIBUTION



ASIA:

China, Japan, South Korea, Taiwan, Hong Kong, Philippines, Thailand, Malaysia, Indonesia, Brunei, Singapore, Vietnam, Laos, Myanmar, India, Pakistan, Sri Lanka, Bangladesh, Maldives, Nepal

MIDDLE EAST:

Saudi Arabia, Egypt, Kuwait, U.A.E., Qatar, Oman, Bahrain, Jordan, Iran, Syria, Lebanon, Israel.

AUSTRALIA & OCEANIA:

Australia, New Zealand, Fiji, Papua New Guinea, Nouméa.

AFRICA:

South Africa, Ghana, Mauritius, Tanzania, Kenya, Nigeria.

EUROPE:

Germany, Sweden, Norway, Denmark, Benelux, Poland, Switzerland, Bulgaria, Portugal, Hungary, Turkey, Cyprus, Slovakia, Croatia, Slovenia, Romania, Estonia, Lithuania, Latvia, Russia, Spain, Czech Republic, U.K., Malta, Austria, Ireland.

NORTH AMERICA:

U.S.A., Canada, Mexico

CENTRAL AND SOUTH AMERICA:

Chile, Cuba, Dominican Republic, Panama, Venezuela, Colombia.



AEROFLEX CO.,LTD [Total area 100,000 m²]

AFC AEROFLEX CO., LTD.

HEAD OFFICE:

770 MU 6, TEPARAK RD., TEPARAK, SAMUTPRAKARN 10270, THAILAND
 TEL: +(66) 0 2383 6599 FAX: +(66) 0 2383 6531, 0 2759 5550
 EMAIL: marketing@aeroflex.co.th WEBSITE: www.aeroflex.co.th

BANGKOK OFFICE:

1179/21-25 RAMA 4 RD., KLONGTOEY, BANGKOK 10110, THAILAND
 TEL: (66) 0 2249 3976 FAX: (66) 0 2249 4098
 EMAIL: marketing@aeroflex.co.th WEBSITE: www.aeroflex.co.th

For more information, please contact your local distributor.

Distributor :