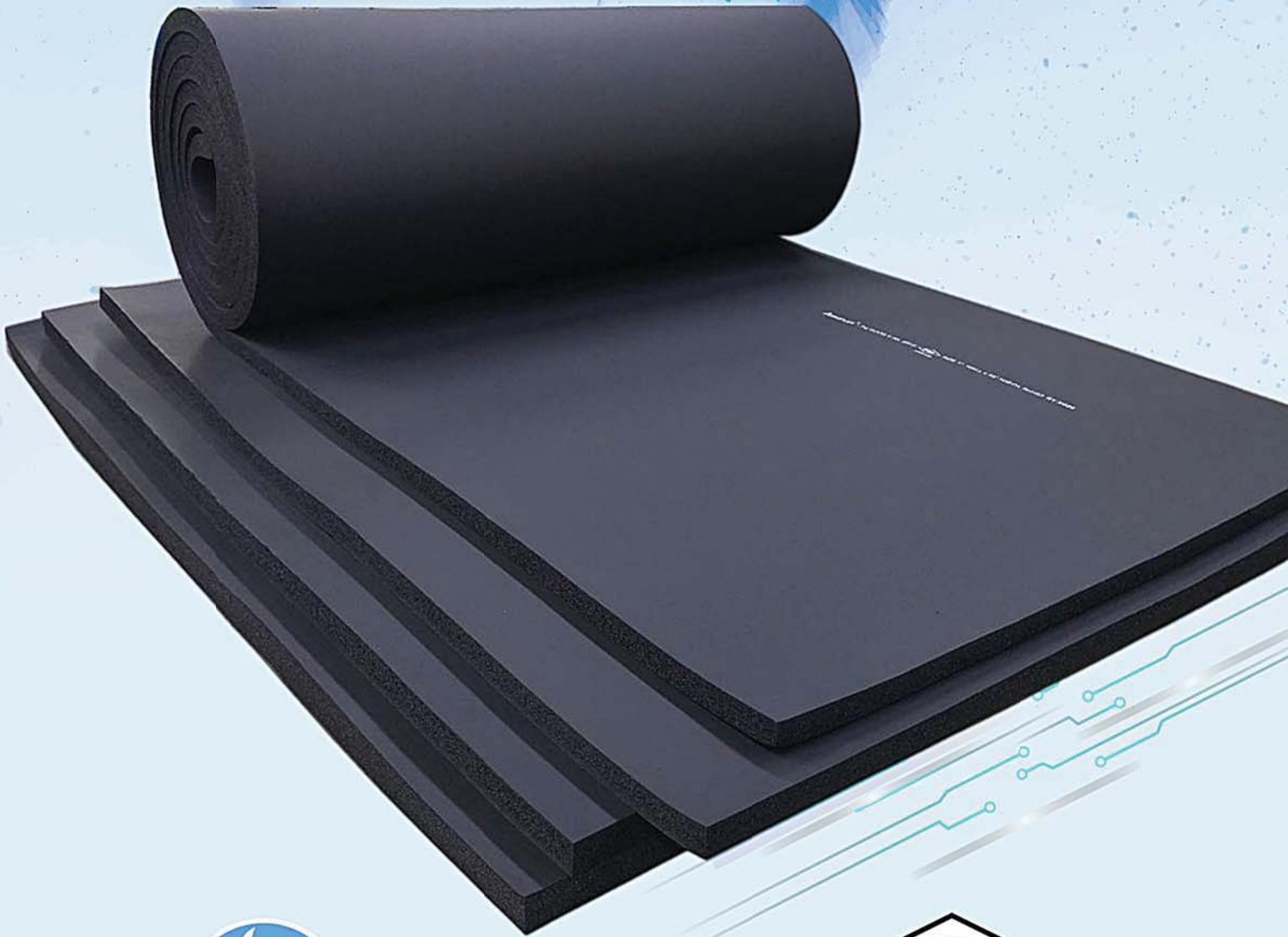


AEROFLEX[®]-FO Class 0

CLOSED CELL ELASTOMERIC THERMAL INSULATION



*For high Efficiency of fire
Propagation Performance*





AEROFLEX[®]-FO Class 0

AEROFLEX-FO Class 0 is a light weight, EPDM Modified 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-FO 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-FO Class 0 Specification :

PHYSICAL PROPERTIES*1		AEROFLEX-FO Class 0					TEST METHOD
Cell structure		Closed cell					-
Density lbs/ft ³ (Kg/m ³)		3.0-5.0 (48-80)					ASTM D1667
Thermal Conductivity max. (W/mk)	Mean Temp	0°C	20°C	24°C	40°C	50°C	ASTM C518 EN ISO 8497
	K-Value	0.035	0.038	0.039	0.040	0.042	
Service temperature*2		-45°C to + 125°C					Aeroflex FO-class 0 becomes hard at -45°C
Water Absorption		≤ 10 (by weight)					ASTM D1056
Water Vapor Permeability Perm.in		≤ 0.10					ASTM E96
Flammability		FM Approved					Approval Standard for Pipe and Duct Insulation No.4924
		Class V-O					UL 94
Fire Performance • Flame Spread • Fire Propagation		Class 1					BS 476 Part 7
		Total Index (I) ≤ 12					BS 476 Part 6
		Sub Index (i ₁) ≤ 6					
• Fire Classification		Class 0					BS 476 Part 6 & 7
Nitrosamine Content		Not detected					-

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

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

STANDARD PACKING

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

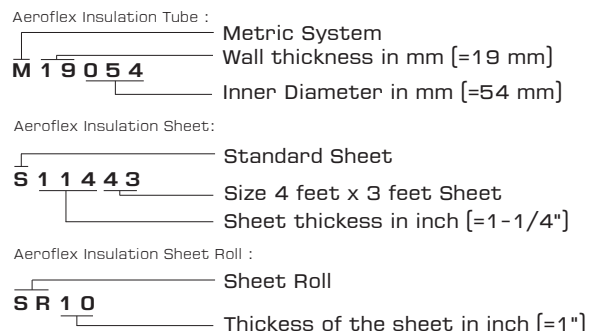
Sheet Size	Code Number [Quantity : Sheets/Carton]								
	1/8" wall	1/4" wall	3/8" wall	1/2" wall	3/4" wall	1" wall	1-1/4" wall	1-1/2" wall	2" wall
36" x 48"	S 1843 (48)	S 1443 (24)	S 3843 (16)	S 1243 (12)	S 3443 (8)	S 1043 (6)	S11443 (5)	S11243 (4)	S 2043 (3)

AEROFLEX-FO 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:



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