



# AEROFLEX<sup>®</sup>

EPDM

EPDM INSULATION TUBES & SHEETS



**THE IDEAL  
THERMAL  
INSULATION  
FOR  
HVAC & R**

## PRODUCT FEATURES

- Wide range: ¼ inch to 10 inches diameter
- UV & weather resistant
- Nitrosamine free in accordance to FDA norms
- Anti fungal & Anti bacterial
- Low density, closed cell structure having low and stable K value for high energy saving
- Temp. Range -57°C to 125°C\*
- Does not corrode copper tubing
- Low water absorption & low water vapour permeability
- Flame & smoke proof, meets international fire and smoke standard such as ASTM-E84, UL94, IMO, ASTM-D635

## AEROFLEX EPDM Insulation Sheets/Tubes

AEROFLEX is a closed cell flexible elastomeric foam made from EPDM rubber. This material has low thermal conductivity and high water vapour diffusion resistance. It is CFC/HCFC free and dust & fiber free. It ensures saving in eco friendly manner. This product meets insulation requirement in diverse fields such as the automobile, air conditioning & refrigeration industry, construction industry, pharma industry, hotel/hospital and cold storage industry.

### SIZE AVAILABILITY

- 6mm, 9mm, 13mm, 19mm, 25mm, 32mm, wall thickness to fit all standard copper and iron pipes diameters from 6mm (¼") to 114mm (4½").
- Other size available on request.
- **Tube length:** 2 mteres (6.5 ft).
- Available in special sizes and long coils on request.

### AEROFLEX Tubing (EPDM Insulation Tube Packing List)

#### Packing Details for AEROFLEX Tubing Tubes:

Size-ID		6mmThk		9mmThk		13mmThk		19mmThk		25mmThk		32mmThk	
mm	inch	Pcs./ Crtn	Mtr./ Crtn	Pcs./ Crtn	Mtr./ Crtn	Pcs./ Crtn	Mtr./ Crtn	Pcs./ Crtn	Mtr./ Crtn	Pcs./ Crtn	Mtr./ Crtn	Pcs./ Crtn	Mtr./ Crtn
6	1/4			264*	528			64*	128				
10	3/8	140*	280			70*	140	40	80	25	50		
13	1/2	80*	160			60*	120	36	72	20	40		
16	5/8			140*	280			35	70	20	40	20	40
19	3/4			72	144	56	112	30	60	20	40	20	40
22	7/8			64	128	48	96	30	60	18	36	18	36
25	1			56	112	42	84	25	50	16	32	16	32
28	1 1/8			49	98	36	72	25	50	16	32	12	24
32	1 1/4			42	84	30	60	20	40	15	30	12	24
35	1 3/8			40	80	30	60	18	36	12	24	12	24
38	1 1/2			36	72	25	50	16	32	12	24	12	24
42	1 5/8			30	60	25	50	16	32	12	24	10	20
45	1 3/4			30	60	20	40	15	30				
48	1 7/8			28	56	20	40	15	30	10	20	10	20
51	2			24	48	20	40	12	24	9	18	8	16
54	2 1/8			21	42	20	40	12	24	9	18	6	12
57	2 1/4			20	40	18	36	10	20				
60	2 3/8			20	40	18	36	10	20	9	18	6	12
63	2 1/2			20	40	15	30	10	20	8	16		
67	2 5/8			18	36	15	30	9	18	8	16	6	12
73	2 7/8			18	36	13	26	9	18	8	16	6	12
76	3			18	36	12	24	8	16	8	16	5	10
79	3 1/8			16	32	12	24	8	16	8	16	5	10
82	3 1/4							6	12	6	12		
89	3 1/2			16	32	12	24	6	12	6	12	5	10
92	3 5/8											5	10
98	3 7/8												
102	4							4	8	5	10	4	8
105	4 1/8									4	8		
108	4 1/4							4	8	4	8	4	8
114	4 1/2							4	8	4	8	2	4
127	5												
130	5 1/8									2	4		

**Length:** 2000 ± 20mm thickness from 6mm to 19mm ± 1mm & for 25mm & 32mm ± 2mm

**Tolerance (ID):** From 6mm to 42mm +2/-0mm, 42mm to 73mm +3/-0mm and above 73mm +6mm/-0mm

**Note:** Special sizes available on request. Tubes can also be available ID - 140mm, 165mm size as per customer requirement. **Remarks:** \*Indicates trading (TDG) Item-Lead Time 60 days on request

## Specification sheet

### Technical Performance

Thermal Insulation Material	Closed Cell Elastomeric EPDM Rubber Foam	
Density	40 to 60 Kg/m <sup>3</sup>	ASTM D 1667
Service Temperature	-57°C to 125° C	Becomes hard at -57° C but can be used at -200° C
Thermal Conductivity	0.0330 W/m <sup>2</sup> K at 0°C 0.0356 W/m <sup>2</sup> K at 24°C 0.0366 W/m <sup>2</sup> K at 32°C	ASTM C 518
FIRE & SMOKE CHARACTERISTICS a)Flammability b)Flame Spread & Smoke Density Test c)Smoke and Toxicity Test d)Self Extinguishing	Class V-0 Class A Passed Passed	UL 94-1997 ASTM-E84 IMO Res. MSC 61(67) Anx 1.P2 ASTM D 635 -06
Water absorption (%)	<5% (by weight)	ASTM D 1056
Water Vapour Permeability - perm.in	<0.1 perm.in	ASTM E 96
Mold Resistance Fungi Resistance	Meets Requirement (Rating 1) No Growth	UL 181 ASTM C 1338
Ozone Depleting substances (CFC/HCFC)	Not Detected	USEPA 5021A / USEPA 8260C
Ozone Resistance UV Weather Resistance	No Cracks Excellent	ASTM D 1149 ASTM G154
Flexibility	Excellent ( Not rupture)	ASTM C 534
N - Nitrosamines Release	Not Detected	FDA CPG 7117.11
Corrosion on copper, stainless steel	Non Corrosive	DIN 1988
ROHS	Not Detected	EN Restriction of the use of hazardous substances directive (ROHS) 2002/95/EC

### AEROFLEX EPDM Insulation Sheet Packing List

#### AEROFLEX Continuous Sheets (Polythene Packing)

Sheet Thickness	Dimensions	Roll Content
6mm	1 x 40m	40 sq. mtr
9mm	1 x 30m	30 sq. mtr
13mm	1 x 25m	25 sq. mtr
16mm	1 x 20m	20 sq. mtr
19mm	1 x 15m	15 sq. mtr
25mm	1 x 10m	10 sq. mtr
32mm	1 x 08m	8 sq. mtr

\*3mm sheet is available with one side skin only | \*Tolerance for thickness from 6mm to 19mm ± 1mm & for 25mm & 32mm ± 2mm. Also EPDM HT sheet/Tubes are available for high temp application upto 150°C

#### AEROFLEX Continuous Sheets (Box Packing)

Sheet Thickness	Dimensions	Roll Content
6mm	1 x 20m	20 sq. mtr
9mm	1 x 15m	15 sq. mtr
13mm	1 x 11m	11 sq. mtr
16mm	1 x 10m	10 sq. mtr
19mm	1 x 07m	07 sq. mtr
25mm	1 x 05m	05 sq. mtr
32mm	1 x 04m	04 sq. mtr

\* Tolerance for width of the sheet : 1000 ± 20mm

## CERTIFICATION



Manufactured and Marketed by:

**ALP AEROFLEX INDIA PVT. LTD.**

**Corporate Office:** Plot No. 32, Sector-18 HUDA, Gurgaon, Haryana - 122015 (INDIA)

**Telephone:** +91-124-4731500 | **Fax:** +91-124-4731598, 4731599

**E-mail:** marketing@alpaeroflex.com | **Website:** www.alpaeroflex.com

**Plant:** Bilaspur Road, Opp. Govt. P.G. College, Rudrapur, Distt.: Udham Singh Nagar, Uttarakhand- 263153

**Telephone:** +91-5944-247869, 247870 | **Fax:** +91-5944-243813

**Disclaimer:** Although these values represent actual results achieved in tests, they should only be used as a guide. ALP Aeroflex cannot guarantee the performance of the product as all situations are different & should be treated separately. All statements & technical informations are based on results obtained under typical conditions. It is the responsibility of the recipient to verify with us that the informations are appropriate for specific use intended by the recipient.