

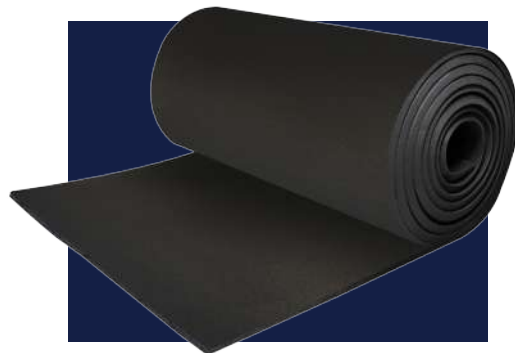
AEROFOAM[®]-EPDM



*Flexible Closed-cell EPDM
Thermal Insulation Foam*

AEROFOAM® EPDM TUBES & ROLLS

Aerofoam® EPDM is a flexible closed-cell EPDM thermal insulation foam designed for applications in HVAC, plumbing, and industrial systems. Its low thermal conductivity minimizes energy losses and improves overall system efficiency. It also ensures safer and more environmentally friendly performance.



FEATURES



Closed cell structure



Prevent condensation



Excellent thermal efficiency



Wide operating temperature
from -160 °C to +150 °C



Ozone Resistant



High mechanical strength



Flexible foam easy to install



Environmental friendly foam



Suitable for cooling &
heating systems



Resistant to bacteria,
mold & mildew growth

APPLICATIONS



AEROFOAM® EPDM TUBES - SIZE RANGE

Insulation Tube Size		9 mm (3/8")		13 mm (1/2")		19 mm (3/4")		25 mm (1")	
Inch	mm	Code	Pcs /Box	Code	Pcs /Box	Code	Pcs /Box	Code	Pcs /Box
1/4"	6	EPDMT9x6	168	EPDMT13x6	90	EPDMT19x6	50	EPDMT25x6	35
3/8"	9	EPDMT9x9	130	EPDMT13x9	80	EPDMT19x9	40	EPDMT25x9	25
1/2"	13	EPDMT9x13	115	EPDMT13x13	65	EPDMT19x13	40	EPDMT25x13	25
5/8"	16	EPDMT9x16	90	EPDMT13x16	60	EPDMT19x16	35	EPDMT25x16	25
3/4"	19	EPDMT9x19	76	EPDMT13x19	45	EPDMT19x19	30	EPDMT25x19	20
7/8"	22	EPDMT9x22	70	EPDMT13x22	40	EPDMT19x22	30	EPDMT25x22	20
1"	25	EPDMT9x25	55	EPDMT13x25	40	EPDMT19x25	25	EPDMT25x25	20
1- 1/8"	28	EPDMT9x28	55	EPDMT13x28	36	EPDMT19x28	25	EPDMT25x28	18
1- 1/4"	32	EPDMT9x32	40	EPDMT13x32	30	EPDMT19x32	20	EPDMT25x32	15
1- 3/8"	35	EPDMT9x35	36	EPDMT13x35	30	EPDMT19x35	20	EPDMT25x35	15
1- 1/2"	38	EPDMT9x38	36	EPDMT13x38	25	EPDMT19x38	17	EPDMT25x38	12
1- 5/8"	42	EPDMT9x42	30	EPDMT13x42	25	EPDMT19x42	17	EPDMT25x42	12
1- 7/8"	48	EPDMT9x48	25	EPDMT13x48	20	EPDMT19x48	15	EPDMT25x48	10
2"	51	EPDMT9x51	25	EPDMT13x51	20	EPDMT19x51	15	EPDMT25x51	9
2- 1/8"	54	EPDMT9x54	25	EPDMT13x54	20	EPDMT19x54	15	EPDMT25x54	9
2- 3/8"	60	EPDMT9x60	20	EPDMT13x60	18	EPDMT19x60	12	EPDMT25x60	9
2- 1/2"	63	EPDMT9x63	20	EPDMT13x63	18	EPDMT19x63	12	EPDMT25x63	8
2- 5/8"	67	EPDMT9x67	20	EPDMT13x67	15	EPDMT19x67	10	EPDMT25x67	8
2- 7/8"	73	EPDMT9x73	18	EPDMT13x73	15	EPDMT19x73	10	EPDMT25x73	6
3"	76	EPDMT9x76	15	EPDMT13x76	12	EPDMT19x76	10	EPDMT25x76	6
3- 1/8"	79	EPDMT9x79	15	EPDMT13x79	12	EPDMT19x79	10	EPDMT25x79	6
3- 1/2"	89			EPDMT13x89	10	EPDMT19x89	8	EPDMT25x89	6
3- 5/8"	92			EPDMT13x92	8	EPDMT19x92	6	EPDMT25x92	6
4"	102			EPDMT13x102	8	EPDMT19x102	6	EPDMT25x102	4
4- 1/8"	105			EPDMT13x105	8	EPDMT19x105	6	EPDMT25x105	4
4- 1/4"	110			EPDMT13x110	8	EPDMT19x110	6	EPDMT25x110	4
4- 1/2"	114			EPDMT13x114	6	EPDMT19x114	6	EPDMT25x114	3

Note: Available length of tubes 1.8 m or 2 m.

AEROFOAM® EPDM SHEETS & ROLLS - SIZE RANGE

Aerofoam® EPDM Rolls						Aerofoam® EPDM Sheets			
Thickness Inch	Thickness mm	Width x Length m x m	Pcs/ Box	Plain	Plain with self-adhesive (SA)	Width x Length m x m	Pcs/ Box	Plain	Plain with self-adhesive (SA)
1/4"	6	1x30	1	EPDMR6x1x30	EPDMR6x1x30/SA	1x1	30	EPDMS6x1000x1000	EPDMS6x1000x1000/SA
3/8"	9	1x20	1	EPDMR9x1x20	EPDMR9x1x20/SA	1x1	20	EPDMS9x1000x1000	EPDMS9x1000x1000/SA
1/2"	13	1x14	1	EPDMR13x1x14	EPDMR13x1x14/SA	1x1	15	EPDMS13x1000x1000	EPDMS13x1000x1000/SA
5/8"	16	1x12	1	EPDMR16x1x12	EPDMR16x1x12/SA	1x1	12	EPDMS16x1000x1000	EPDMS16x1000x1000/SA
3/4"	19	1x10	1	EPDMR19x1x10	EPDMR19x1x10/SA	1x1	10	EPDMS19x1000x1000	EPDMS19x1000x1000/SA
1"	25	1x8	1	EPDMR25x1x8	EPDMR25x1x8/SA	1x1	8	EPDMS25x1000x1000	EPDMS25x1000x1000/SA
1- 1/4"	32	1x6	1	EPDMR32x1x6	EPDMR32x1x6/SA	1x1	6	EPDMS32x1000x1000	EPDMS32x1000x1000/SA

Note: Other size of sheets 0.915 m x 1.22 m (3 ft x 4 ft) is available upon request.

Tolerances - Rolls & Sheets			
Thickness	Thickness tolerance	Length tolerance	Width tolerance
6-25 mm	±2 mm	±1.5%	-20 mm
32-50 mm	±3 mm		+40 mm

Tolerances - Tubes (foam core only)		
Internal Diameter (ID)	Target	Target Tolerance
	ID + 1 mm	-1 mm, +4 mm (for ID ≤100 mm)
		-1 mm, +6 mm (for ID >100 mm)
Thickness	≤6 -16 mm: ±1.5 mm	
	19-25 mm : ±2.5 mm	
	≥32 mm ±3 mm	
Length	±1.5%	

ACCESSORIES



Adhesive	Units
Aerofoam® EPDM Glue	5 Litres

AEROCALC

AEROCALC software is an excellent tool for calculating the most optimal thicknesses of insulation. Available as **Desktop**, **iOS** and **Android** applications.

Visit our website: aerofoam.ae



TECHNICAL DATA

Description: Aerofoam® EPDM is a black flexible closed- cell elastomeric thermal insulation foam made from EPDM rubber, available in the form of tubes sheets and rolls.

Property	Value/ Assessment	Test Method
Thermal Conductivity at 23 °C	0.039 W/m•K	ASTM C518
Temperature Range Min. line temperature Max. line temperature	-160 °C (-30 °C with PSA*) +150 °C (+80 °C with PSA*)	EN 14304
Water vapor diffusion resistance factor	$\mu < 11000$	EN 12086
Water absorption	0.07 kg/m ²	EN 13472
pH (corrosion potential)	6.9	EN 13468
Leachable Chlorides	<50 ppm	EN 13468
Dimensional Stability	Passed	EN 14304
Reaction to fire	D-s ₃ -d ₀	EN13501-1
	V-0	UL94
	Class 1	BS 476 part 7
UV Resistance	Good	ASTM G154
Environment friendly Ozone Depletion Potential Global Warming Potential CFC, HCFC, dust, fibers & asbestos	0 <5 Free	
Storage life: <i>Can be stored for 24 months (12 months with PSA*) from manufacturing date in a dry, clean, dust free room at normal humidity and ambient temperature.</i> Note: <i>All outdoor applications of Aerofoam® EPDM need to be protected by Aerofoam® approved coating or weather resistant cladding.</i>		

*PSA - Pressure Sensitive Adhesive

Disclaimer: This information on Hira Industries products is presented to the best of our knowledge. All product data is based on average values and is for guidance only. As these products are subject to constant research and development, we reserve the right to update the contents without notice.

Manufactured by Hira Industries
P.O. Box 50673, Dubai - UAE
☎ +971 4 884 8414

✉ enquiry@rhira.com
🌐 www.aerofoam.ae
www.rhira.com

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