Product Specification

Kingflex K1 Tube -2M Length

Tube		9mm ·3/8"		13mm ·1/2"		19mm ·3/4"	
ID Inches	ID (mm)	Wall*ID	PCS/CTN	Wall*ID	PCS/CTN	Wall*ID	PCS/CTN
1/4″	6	9*6	168	13*6	90	19*6	50
3/8″	9	9*9	130	13*9	80	19*9	40
1/2″	13	9*13	115	13*13	65	19*13	40
5/8″	16	9*16	90	13*16	60	19*16	35
3/4″	19	9*19	76	13*19	45	19*19	30
7/8″	22	9*22	70	13*22	40	19*22	30
1″	25	9*25	55	13*25	40	19*25	25
1 1/8″	28	9*28	55	13*28	36	19*28	25
1 1/4″	32	9*32	40	13*32	30	19*32	20
1 3/8″	35	9*35	36	13*35	30	19*35	20
1 1/2″	38	9*38	32	13*38	24	19*38	17
1 5/8″	42	9*42	30	13*42	25	19*42	17
1 3/4″	45	9*45	26	13*45	20	19*45	16
1 7/8″	48	9*48	25	13*48	20	19*48	15
2 1/8″	54	9*54	25	13*54	20	19*54	15
2 1/4″	57			13*57	20	19*57	12
2 3/8″	60			13*60	18	19*60	14
2 5/8″	67			13*67	15	19*67	12
3″	76			13*76	12	19*76	10
3 1/2″	89			13*89	10	19*89	10
4 1/4″	108					19*108	8
4 1/2″	114					19*114	8

36 YEARS FOCUSED ON INSULATION

Product Specification

Kingflex K1 Tube -2M Length

Tube		25mm ·1"		32mm · 1 1/4"		40mm · 1 5/8"	
ID Inches	ID (mm)	Wall*ID	PCS/CTN	Wall*ID	PCS/CTN	Wall*ID	PCS/CTN
1/4″	6	25*6	35				
3/8″	9	25*9	25				
1/2″	13	25*13	25				
5/8″	16	25*16	20	32*16	16		
3/4″	19	25*19	20	32*19	12		
7/8″	22	25*22	20	32*22	12		
1″	25	25*25	20	32*25	12		
1 1/8″	28	25*28	18	32*28	11		
1 1/4″	32	25*32	15	32*32	9		
1 3/8″	35	25*35	15	32*35	9		
1 1/2″	38	25*38	12	32*38	8		
1 5/8″	42	25*42	12	32*42	8		
1 3/4″	45	25*45	10	32*45	6		
1 7/8″	48	25*48	13	32*48	6	40*48	6
2 1/8″	54	25*54	9	32*54	5	40*54	4
2 1/4″	57	25*57	9	32*57	5	40*57	4
2 3/8″	60	25*60	9	32*60	5	40*60	4
2 5/8″	67	25*67	8	32*67	4	40*67	4
3″	76	25*76	6	32*76	4	40*76	4
3 1/2″	89	25*89	8	32*89	4		
4 1/4″	108	25*108	6	32*108	3		
4 1/2″	114			32*114	2		

◎ ALUMINUM FOIL AND SPECIAL SIZES AVAILABLE.

Kingflex K1 Roll Sheet

Thickness		Sheet 1 metre wide		Sheet 1.2 metre wide		Sheet 1.5 metre wide	
Inches	mm	Size (L×W)	㎡/Roll	Size (L×W)	㎡/Roll	Size (L×W)	㎡/Roll
1/4"	6	30 × 1	30	30 × 1.2	36	30 × 1.5	45
3/8"	10	20 × 1	20	20 × 1.2	24	20 × 1.5	30
1/2"	13	15 × 1	15	15 × 1.2	18	15 × 1.5	22.5
3/4"	19	10 × 1	10	10 × 1.2	12	10 × 1.5	15
1"	25	8 × 1	8	8 × 1.2	9.6	8 × 1.5	12
1 1/4"	32	6 × 1	6	6 × 1.2	7.2	6 × 1.5	9
1 1/2"	40	5 × 1	5	5 × 1.2	6	5 × 1.5	7.5
2"	50	4 × 1	4	4 × 1.2	4.8	4 × 1.5	6

◎ ALUMINUM FOIL, SELF-ADHESIVE AND FLAT SHEET AVAILABLE

BS476 / UL 94 / ASTM–E84 / BV / ISO9001

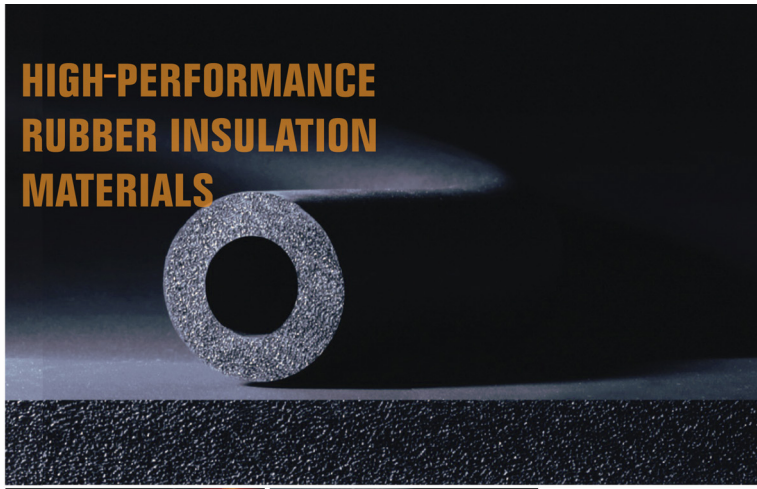
U.S.A / UK / U.A.E / Singapore / Russia / India / Pakistan / Philippines/ Australia / Brazil / Iran / Canada / South Africa ···

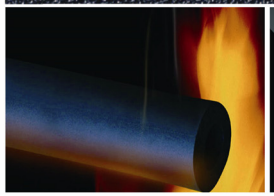
Accessories

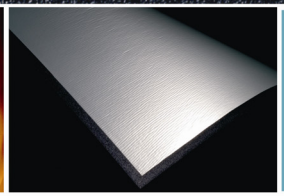
Product	Model
Rubber Foam Tape	
King-520 Glue	
Aluminum Tape	

Packing

Tube Packing --Carton Box		
		Kingflex standard export carton package
Sheet Packing - Kingflex Labeled, Doubled Plastic Bag		
		Using doubled powerful palstic bag, greater capacity, transport more economical







Since 1979®
KINGFLEX
Elastomeric Thermal Insulation Systems

K1 PRODUCT

36 YEARS FOCUSED ON INSULATION

12 YEARS TOP-SELLING BRAND WORLDWIDE

Company Introduction

Mission Statement
"More comfortable life, more profitable business through energy conservation"

Kingflex In Action

Growth in the construction industry and many other industrial segments, combined with concerns over rising energy costs and noise pollution, is fueling market demand for thermal insulation. With more than 36 years of dedicated experience in manufacturing and applications, Kingflex Insulation Company is riding on top of the wave.

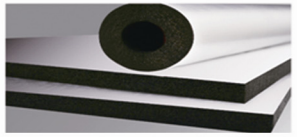
Global Footprint

Over three decades, Kingflex Insulation Company has grown from a single manufacturing plant in China to a global organization with product installation in over 50 countries. From the National Stadium in Beijing, to the high rises in New York, Singapore and Dubai, people around the world are enjoying the quality products from Kingflex.

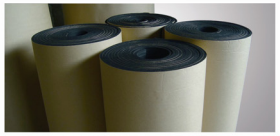
About Kingflex K1

Kingflex K1 product is a flexible elastomeric foam rubber insulation material, without CFC, HFC, HCFC. It is specially designed for HVAC/R system. Kingflex K1 insulation product has been certified by BS476 part6 part7 (Class 1). It is widely used in thermal insulation filed of air conditioning pipe, air duct system, frozen and refrigeration equipment, hot water pipes and process piping

◎ To reach better performance, Kingflex K1 products can be also faced with aluminum foil.

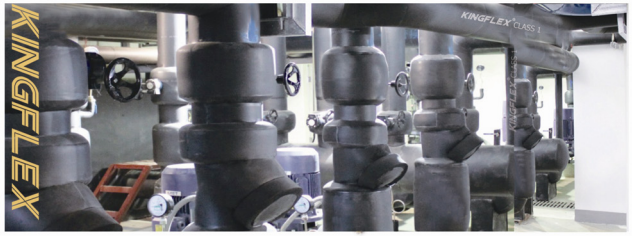


◎ For easy installation, Kingflex K1 products with adhesive are also available.



Kingflex K1 Technical Data

Property	Unit	Value	Test Method
Temperature Range	°C	-50 - 110	GB/T 17794-1999
Density Range	Kg/m3	45-65	ASTM D1667
Water Vapor Permeability	Kg/(m.s.pa)	⩽1.4 ×10^{-11}	DIN 52 615
μ	-	⩾10000	BS 4370 Part 2 1973
Thermal Conductivity	W/(m.k)	⩽0.030 (-20°C)	BS 874 Part2 1986
		⩽0.032 (0°C)	ASTM C518
		⩽0.037 (40°C)	DIN 52612,DIN52613
Fire Rating	-	Class 1	BS 476 Part 6 part 7
Oxygen Index	%	K1⩾36	GB/T 2406,ISO4589
Dimension Stability	%	⩽5	ASTM C534
Fungi Resistance	-	Good	ASTM 21
Ozone Resistance	-	Good	GB/T 7762-1987
Resistance to U.V.and Weather		Good	ASTM G23



Application

Ventilation pipe, large pipe facilities, tubing, HVAC, solar water heaters, freezers, dual temperature low pressure steam pipeline, pipeline, offshore and coastal facilities and ship industry, ships, locomotives etc.

Airport

Subway Station

Stadium

Product Performace Advantages

Good Thermal Insulation Property
High-performance Kingflex K1 product with suitable apparent density and stable closed cell structure creates the lowest and the most stable thermal conductivity. It(λ) can reach 0.030w/m.k at -20°C.

Excellent Water Vapor Permeability
High-performance Kingflex K1 product with perfect closed cell structure bring low water absorption and high moisture resistance factor-μ. μvalue fully promote up to 10000 in the industry-leading.

Safety
High-performance Kingflex K1 product is different from the out-dated technology with small closed cell structure. It can better control balance of the oxygen index and smoke density with foaming chemical reaction fully.

Easy Installation
Different from the excessively pursuit low density material, High-performance Kingflex K1 product has high tear strength, It can prevent surface damage. Meanwhile,compare with the high density material, Kingflex is more flexible,and easier to install, The joint is not easy to rebound and gap.

Protect Environment
Save Operating Cost
Increase Process Efficiency
Reduce Fire Risk
Protect Workforce
Improve Appearance of Equipment and Pipe etc.

UL94 | QUALITY REVIEW | ASTM-E84 | UKAS | GREEN PRODUCT | BS476 | BV APPROVED