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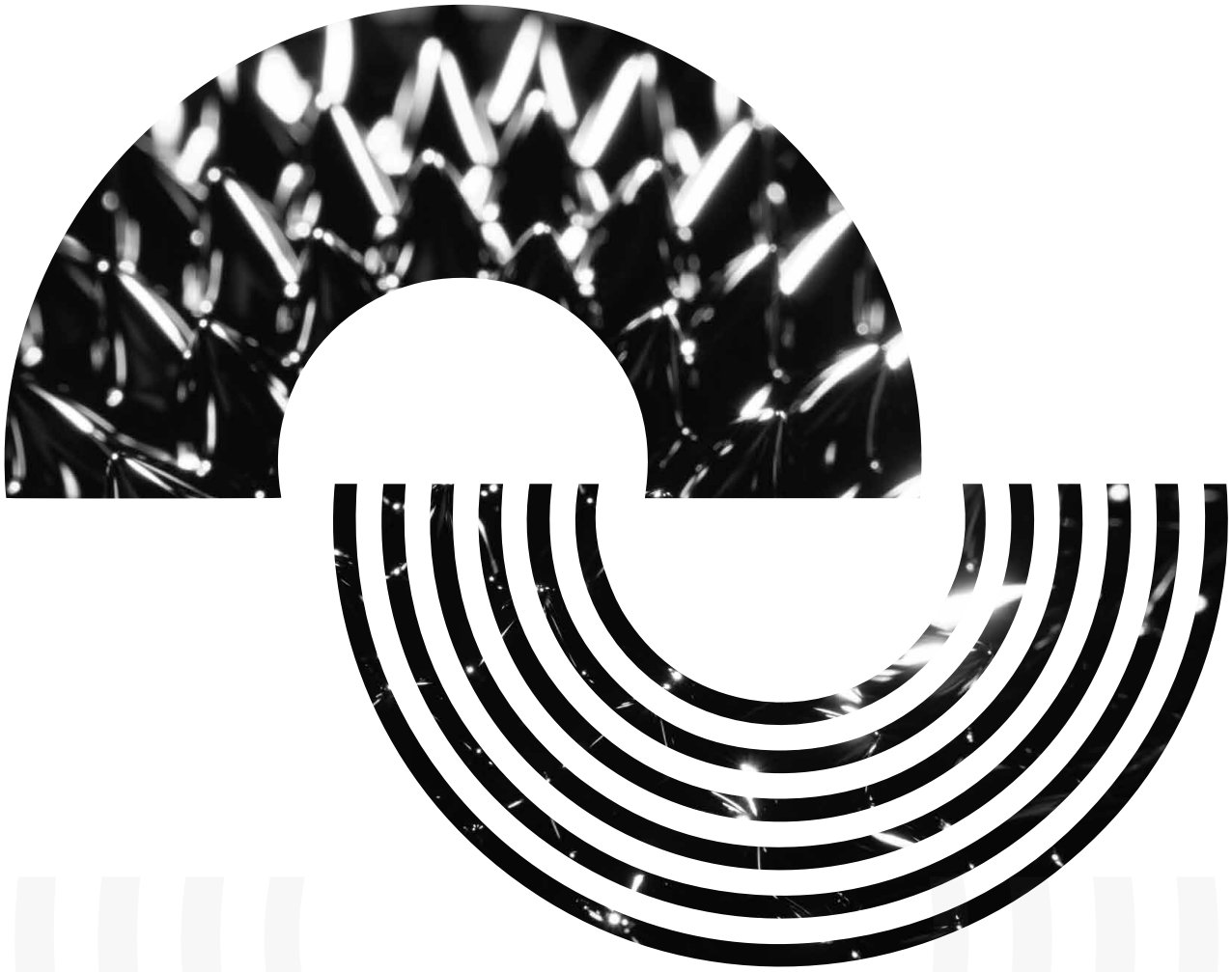
ARIL



An Amiantit Company

AMIANTIT

Table of Contents

ARIL

Factory of Amiantit Rubber Industries Ltd. (ARIL)

Introduction

Amiantit Rubber Industries Ltd. (ARIL) was established in 1978 as a member of the Saudi Arabian Amiantit Company. The company's aim is to provide quality rubber rings and seals to other group and non-group companies who are leading pipe manufacturers in and outside the Kingdom. ARIL also supplies custom-made rubber products for various applications in the building & construction, industrial, and air conditioning industries, including the defense sector.

Since then, the company has expanded its manufacturing and marketing activities, and today ARIL is considered to be among the leading rubber products manufacturers in the Gulf region.

ARIL is accredited to ISO 9001:2015, certified by RWTUV Germany for its quality assurance since 1994.

The factory and H.O. are situated in Dammam, 1st Industrial City, K.S.A., with its sales offices in Dammam, Riyadh, and Jeddah.

Organization Capabilities

Manufacturing Capabilities

ARIL houses advanced machinery under one roof, covering rubber compounding, moulding, extrusion, and final finishing to produce moulded, extruded, and mixed rubber compounds. It features in-house mould-making facilities, including CNC milling and wire-cut machines, enabling rapid development of intricate multi-cavity moulds. A fully equipped laboratory ensures quality control of raw materials, in-process compounds, and finished products. Additionally, a lab mixing mill is used to formulate rubber compounds that meet client and international specifications.

ARIL has 3 Product Lines

Moulded Rubber Products	Extruded Rubber Products	Masterbatch mixing line

All the products are strictly monitored during the various operations to ensure they conform to quality standards.

ARIL has manufacturing capabilities that are fully scalable to accommodate all kinds of demands. Its versatility and efficiency make it a reliable partner for quality rubber products. ARIL has the following state-of-the-art manufacturing capabilities: a modern, well-maintained manufacturing plant located in Dammam, K.S.A.

- Comprehensive rubber mixing facilities
- Extensive compression, injection, extrusion equipment capability and complete marching facility including tooling center.

Rubber Hardness Test

Production

Banburry Mixing Machine

Compression Molding Machine

Injection Molding Machine

Compression Molding Machine

Quality Control

ARIL manufactures precision molded and extruded rubber products to finest tolerances using Natural Rubber, SBR, EPDM, CR, NBR, Silicon, Viton, HNBR etc., meeting national and international standards such as BS-2494, ASTM 1869 ,ASTM C-443 ,DIN 4060, EN-681,etc. for Rubber Rings.

Testing

ARIL has built well-equipped laboratory where the required and specified properties are tested on regular basis namely.

Some List of tests

- Rehological Properties.
- Hardness.
- Tensile Strength and Elongation at Break.
- Compression Set.
- Ageing Properties.
- Oil Resistance.
- Plasticity Index
- Dispersion Grading.
- Water Tightness Test.
- Water Absorption Test.etc.

Rheological **Properties Test**

Rheometer is used to electronically analyze every batch of rubber compound before the gasket is made. It records the exact physical and rheological properties of the materials.

Rheometer Testing

Rubber Hardness Test

Hardness **Test**

Shore a durometer is used to determine the hardness of the rubber components. It's a signification test to find the resistance to deformation.

Tensile Strength and Elongation at Break **Test**

Tensile and elongation tests are conducted to determine the tensile strength and ultimate strain.

Testing is performed in accordance with international standards.

Tensile Testing Machine

Compression Set **Test**

Test indicates the ability of the seals to regain original shape after remaining for a long period under compressions.

Ageing Properties **Test**

Accelerated Ageing test elucidate
Accelerated Ageing test elucidate the shelf and service life of the rubber products.

Abrassion Tester

Oil Resistance **Test**

Test to evaluate change of properties in contract with oils.

Plasticity Index **Test**

Plastimeter measures the plasticity index of rubber compounds for consistent flow ability in the mould.

Water Absorption & Tightness **Test**

The water absorption test is used to determine the affinity of rubber toward water.

Dispersion Grading **Test**

Dispersion grading determines the dispersion and distribution of compounding ingredients, ensuring homogeneity for uniform properties.

Melting Point Apparatus

International Standards & Customer Specification		
BS	2494	Specification for Elastomeric Seals for Joints in Pipe Works & Pipe Lines.
ASTM	C443	Joints for Circular Concrete Sewer and Culvert Pipes using Rubber Gaskets.
ASTM	F477	Elastomeric Seals for Joining Plastic Pipes.
ASTM	1330	Specification for Flange Gaskets.
ISO	4633	Rubber Seals Joint Rings for Water Supply, Drainage & Sewage Pipe Lines.
DIN	4060	Elastomeric Seals for Pipe Joints in Drains & Sewers.
DIN	1230	Vitrified Clay wire for Sewer Socket Pipes & Fittings.
SIS	367611	Rubber Joints for Water Mains & Sewers.
25 SMSS		Specification for Duct Seals by SCECO.

Ford Specification for **Oil Seals for Automobile Fitters.**

Rubber Precision Measuring

Product Range

a) Rubber Rings and Rubber Gaskets

Rubber rings and gaskets are made in the lip type or compression type, depending on the joint configuration of the pipes at the point of connection, to prevent the entry of external liquids and gases into the pipeline. Gaskets are manufactured for use in almost all types of pipes and fittings, including FRP pipes, ductile iron pipes, concrete pipes, PVC pipes, etc. ARIL manufactures rubber rings and gaskets for all the pipe types listed below:

- Fiberglass pipe gaskets, including C-Tech, filament winding pipes, and rubber stoppers. Sizes: DN 100 – DN 4000.


O-Rings


Rubber Spiders


Rubber Gaskets


Flange Gasket

- Ductile iron pipes (Standard 2-GS gaskets, Tyton push-on type gaskets, and flange gaskets). Sizes: DN 80 – 1000 mm.
- RTR pipes (O-rings for various sizes). Sizes: 2” – 42”.


Rubber Used In Various Products

- PVC pipes (Lip seals, Anger joint rubber rings, and 3-S rubber joints). Sizes: 40–250 L/S, 63–630 A/J & 3-S.
- Corrugated polyethylene PP pipe gaskets.
- Vitrified clay pipes (L-ring, P-ring, and U-ring).

Rubber rings and gaskets seal pipe joints and are made from elastomers like NR, SBR, EPDM, CR, NBR, and Viton to meet national and international standards.

- Moulded precisely in accordance to joint specification of user.
- Available in various shapes and sizes for FRP, ductile iron, RTR, concrete, PVC, and clay pipes.
- Produced in polymers like NR, SBR, EPDM, NBR, CR, and Viton, based on application.
- Designed to withstand pressure, temperature, various fluids, and harsh environments.
- Rubber rings are produced to meet standards like EN 681, ASTM, DIN, BS, AWWA, and ISO. ARIL’s special seals also comply with potable water standards from NSF (USA), WRC (UK), and KTW (Germany).

b) Grommets and Bushes

Widely used in air conditioners for anti-vibration isolation and compressor mountings. Rubber grommets and bushes are manufactured as per customer’s specifications for anti-vibration, isolators, sealing grommets, etc. Special features of ARIL rubber grommets and bushes are:


Rubber Grommets

- Specially formulated to withstand environmental conditions.
- Flexible enough to absorb vibration.
- Reduce noise.
- Create required isolation.
- Available in various polymers depending on the application.


Rubber Grommets


Rubber Bearing Bush

c) Duct Sealing Units (DSU)

Duct sealing units are used for sealing empty or occupied ducts to prevent the entry of foreign materials, to seal, and to serve as anchorage subducts. They are successfully used for power cables, fiber cables, and other communication ducts.

- Reusable.
- Easy to install and remove, requiring only basic tools.
- Not affected by water, salt, most chemicals, etc.
- Seals ducts at 10 PSI water pressure in continuous use.
- Available in standard sizes 50, 100, 150, 200 mm, or custom-made circular configurations.


Duct Seal Unit (EDSU)


Duct Seal Unit (CDSU)

d) Other Moulded ,Extruded and speciality Products

- Tanks Track pads, rubber wheels used in armored vehicles
- Rubber Straps as a separator for use in resin coated pipes
- Pump parts like Spiders ,Tube caps ,Bearing Bush ,Duplex bearing etc.
- Rubber to metal bonded products like rubber Tiles, Bronze Bush etc.
- Rubber sheets
- Expansion Joints
- Rubber extruded profiles
- Specialty Rubber products for petroleum industries based on Viton, HNBR ,Silicon etc.


Rubber Stoppers


Duct Sealing Unit (DSU)


Tank Track Pads

e) Master batch

Masterbatch is the base material used to produce rubber products, with NR, synthetic rubber, or blends compounded in-house using advanced technology to meet customer needs and product specs.

Buying custom-made compounds relieves the user from:

- Investment on expensive mixing equipements
- Cost saving on development of compounds
- Avoid inventory of vast range of ingredients
- Pollution free work environment
- Less manpower

Properties & Application of **Vulcanized Compound**

Compound	Property	Application
EPDM	Excellent resistance to weather, ozone, heat ageing and electrical conductivity	Architectural solid/sponge profiles, Automobile weath strips, hoses, belts, etc.
NBR & PVC	Excellent resistance to oil and heat. Antistatic in nature.	Safety Shoe Soles (antistatic, Oil-resistant hose, O-ring Gaskets, Seals, Foam tube, Sponge profiles & sheets, etc.
NR, SBR, BR	Excellent mechanical strength and elasticity. Easy process. Good abrasion and low temperature resistance	Shoe Soles, Tyres, Conveyor & Power Transmission Belt Rubber Mats, Gaskets, Seal for Pipes and many othmechanical goods.
CR	Flame retardant and moderate oil and gas resistance	Automobile dust covers, Gaskets, Gas Tubings, Rubb Bushing, Power Transmission Belts etc.
FKM Silicone	Heat & Weather resistance and hygienic	Anti-vibration rubber, High heat resistant rubber component


Silicon Insulators (Special Product)

ARIFLEX

Rubber Insulation Foam Tubes & Foam Sheets

ARIL manufactures rubber insulation foam tubes and sheets with fine tolerance and consistency, meeting national and international specifications such as ASTM D1667, ASTM D1056, etc., under the brand name “ARIFLEX”.

Size

ARIL supplies ARIFLEX rubber insulation foam tubes in the following sizes:
Foam Tube: ID 6 mm (¼”) to 89 mm (3-1/2”) × wall thickness 6 mm (¼”) to 38 mm (1-1/2”) × length 1.83 m (6’), 2.0 m, 50 m, or as required by the customer.
Foam Sheet: Thickness 6 mm (¼”) to 38 mm (1-1/2”) × width 0.914 m (3’) × length 1.22 m (4’), 9.14 m (30’), or as required by the customer.

Applications

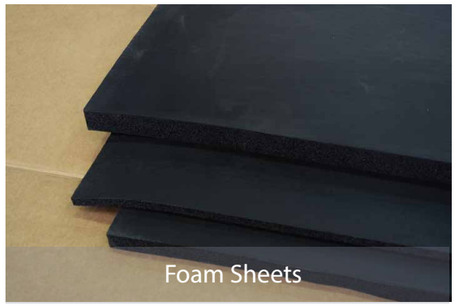
These are specially designed to cater to the specific needs and applications of thermal insulation for air-conditioning, refrigeration, and hot water lines. The products are highly efficient for thermal insulation applications varying from –40°C to +125°C.

ARIFLEX elastomeric insulation foam tubes and foam sheets are manufactured through a continuous extrusion process. ARIFLEX tubes and sheets are specially designed to provide a closed-cell structure.

Characteristics and **Advantages**

- Low thermal conductivity (K value) makes it highly efficient and effective in the insulation of cooling or heating systems.
- The thermal blister closed-cell structure forms an impermeable layer, which is in itself a good vapour barrier.
- Suitable for applications within the temperature range of -40°C to +125°C.
- The material has been specially compounded to be self-extinguishing in nature.
- ARIFLEX has excellent ozone and ultraviolet resistance.
- It is CFC, asbestos, chlorine, and fiber free, and does not cause skin allergies.
- Inert to most chemical agents and neutral to pipe metals.
- The extreme flexibility of the material makes installation fast, easy, and economical.
- Compared to other types of insulation, ARIFLEX needs less installation space due to its low K-value, resulting in thinner walls.
- The smooth surface of ARIFLEX material gives the finished installation a neat and aesthetic appearance.
- No coating is necessary for most indoor installations.


Foam Insulation Tubes


Foam Sheets

Technology

ARIL has the latest processing facilities to produce consistent products like ARI-FLEX elastomeric insulation foam tubes and foam sheets that meet international standards. A rheometer ensures batch-to-batch consistency.

Raw materials are imported from well-renowned international manufacturers. ARIL maintains stock at all times to meet client requirements within a very short period.


Foam Cutting Machine

Our special technology produces tubing and sheeting whose chemical structure and composition make them resistant to microorganisms, ozone, oils, and most solvents. The internal and external skin provides exceptional resistance to water and vapour, allowing for easy application as the tubing and sheeting slip onto the piping.


Foam Curing Line

Quality Control & **Technical Specification**

Quality Control

ARIL manufactures ARIFLEX rubber insulation foam tubes and sheets with fine tolerance and consistency, meeting national and international specifications.

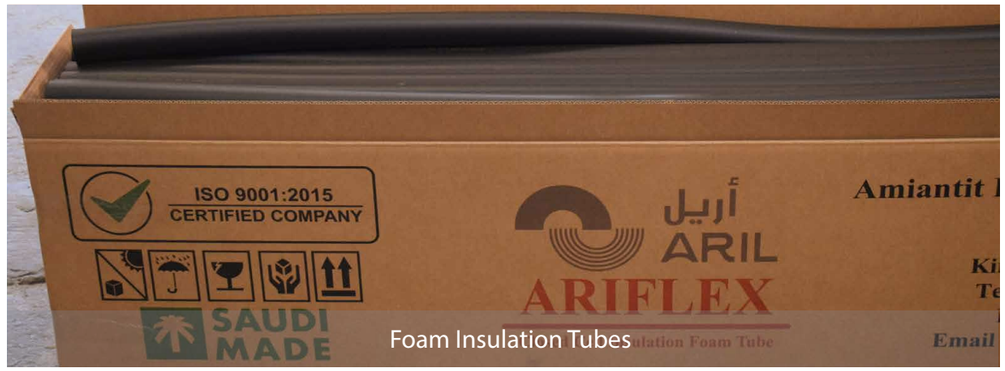
ARIL has a well-equipped laboratory for conducting all essential tests to ensure the consistent quality of foam tubes and sheets, including rheological tests, density tests, and more.

Given the service conditions and specifications, ARIL's technical personnel can develop suitable products from initial engineering, design, tooling, compounding, processing, and manufacturing to meet customer requirements.

All finished goods are 100% visually inspected.

Technical specification

Properties	Rating	Testing Method
Cellular structure	Very Fine-Closed Cell	-
Density (gm/cm3)	0.06 - 0.10	ASTM D1667 / ASTM D1056
Thermal conductivity mean Temp at 20°C (W/m.K)	0.038279	ASTM C518
Temperature limits (°C)	-40 to +125	-
Thermal shrinkage, 24 hrs. at 70 °C (%)	2.54	ASTM D3575
Fire Resistance		
Burn rate (mm/min)	0	
Extent of burning (mm)	< 3	
Flammability	Self Extinguishing	ASTM D 635
Burn time (sec)	0	
Flame resistance UL 94 V	VTM-0	UL 94V
Flame spread and smoke developed index	Class B	ASTM E 84
Water absorption (%W/W)	≤ 4.37	ASTM E 1056
Water vapor transmission (Kg/Pa. s.m2)	1.00×10^{-7}	ASTM D E96
Mildew resistance	No fungal growth	ASTM D G21
Water vapor diffusion factor (μ)	7535	DIN 52615
Weather and ultraviolet	Good	-
Ozone resistance	Good	-
Copper corrosion	Negligible	ASTM C665
Chemical resistance	Good	-
Odor	Negligible	SAE J 1351
Flexibility	Excellent	-
Health aspects	Dust & Fibre Free	-



Foam Insulation Tubes

Application Recommendation for **Pipelines**

Design Condition	Iron Pipe Size (IPS)	Liquid Temperature			
		14.4 °C	7 °C	2.5 °C	-18 °C
		Pipe Wall Thickness (mm)			
Mild Condition 26.7 °C 50% RH	DN10 mm to DN76 mm	9	9	9	9
	DN77 mm to DN127 mm	9	9	9	9
	DN128 mm to DN254 mm	9	9	9	9
Normal Condition At 29.4 °C 70 % RH	DN10 mm to DN76 mm	9	13	13	25
	DN77 mm to DN127 mm	9	13	13	31
	DN128 mm to DN254 mm	9	13	13	31
Severe Condition 32.2 °C 80% RH	DN10 mm to DN76 mm	13	19	19	38
	DN77 mm to DN127 mm	13	19	19	38
	DN128 mm to DN254 mm	13	19	25	50
Normal Condition At 29.4 °C 70 % RH	DN10 mm to DN76 mm	13	25	25	38
	DN77 mm to DN127 mm	19	31	31	50
	DN128 mm to DN254 mm	25	31	38	50

Thickness recommendation to control condensation in pipe insulation of cooling lines.
MILD: Air-conditioned and arid areas. NORMAL: Maximum severity of most indoor conditions seldom exceed 29.4 oC.

Additional insulation thickness may be required in areas with abnormal humidity and poor ventilation, where temperatures may drop below ambient conditions.

Insulation for pipes from DN 10 mm to DN 76 mm IPS (Iron Pipe Size) is available in tubing form with wall thicknesses of up to 25 mm.

For pipes above DN 76 mm IPS, insulation is provided in pre-cut sheets, available up to 38 mm in thickness.

Recommended ARIFLEX thickness controls indoor pipe condensation within the specified temperature range (see Table on the next page).

Design Condition	Liquid Temperature				
	15 °C	12 °C	7 °C	2.5 °C	-18 °C
	Pipe Wall Thickness (mm)				
26.7 °C 50% RH	9	9	13	19	25
29.4 °C 70% RH	13	13	19	25	31
32.2 °C 80% RH	13	19	25	31	50
38 °C 85% RH	25	25	31	38	50

Insulation thickness for ducting, tanks, and cooling equipment.

Appendix Package Details, Standard Sizes, and Installation

	ARIFLEX		Copper Pipe		Iron Pipe		Tubing Unit Length 6 ft. (1.83 m) or 2 m or continuous length (in roll form)					
	Nominal Insulation Size ID		Nominal Pipe Size ID		Nominal Pipe Size OD		Nominal Wall Thickness					
							6 mm (¼")	10 mm (⅜")	13 mm (½")	19 mm (¾")	25 mm (1")	38 mm (1 ½")
S. No	mm	inch	mm	inch	mm	inch	pcs. per carton	pcs. per carton	pcs. per carton	pcs. per carton	pcs. per carton	pcs. per carton
1	6	¼	6	¼			200	170	110	60	50	
2	10	3/8	10	3/8			175	140	90	40	30	
3	13	½	13	½	6	¼	160	120	75	40	25	
4	16	5/8	16	5/8	10	3/8	120	90	60	35	25	15
5	19	¾	19	¾			110	80	45	30	20	12
6	22	7/8	22	7/8	13	½	90	70	40	30	20	12
7	25	1	25	1				60	40	25	20	12
8	28	1 1/8	28	1 1/8	19	¾		50	36	25	18	12
9	32	1 ¼	32	1 ¼				42	30	20	15	10
10	35	1 3/8	35	1 3/8	25	1		36	30	20	15	10
11	38	1 ½	38	1 ½				36	30	20	15	10
12	42	1 5/8	42	1 5/8	31	1 ¼		30	25	17	12	8
13	45	1 ¾	45	1 ¾				30	25	17	12	8
14	48	1 7/8	48	1 7/8	38	1 ½		25	20	15	10	8
15	51	2	51	2				20	18	15	10	7
16	54	2 1/8	54	2 1/8				20	18	15	9	6
17	57	2 ¼	57	2 ¼				20	18	15	9	6
18	60	2 3/8	60	2 3/8	50	2		20	18	15	9	6
19	63	2 ½	63	2 ½				20	18	15	9	6
20	67	2 5/8	67	2 5/8				18	18	12	8	6
21	70	2 ¾	70	2 ¾				18	18	12	8	6
22	73	2 7/8	73	2 7/8	64	2 ½		18	15	10	6	5
23	76	3	76	3				15	15	10	6	5
24	79	3 1/8	79	3 1/8				15	12	10	6	5
25	82	3 ¼	82	3 ¼				15	12	10	6	5
26	85	3 3/8	85	3 3/8				15	12	10	6	5
27	89	3 ½	89	3 ½	70	2 ¾		12	12	10	6	5

ARIFLEX Foam Tube Standard Sizes and Package Details Standard carton size: L × B × H = 1885 mm × 310 mm × 340 mm

Installation

ARIFLEX foam tube is quick and easy to install without special tools. A talc-coated inner surface allows smooth sliding over pipes. For existing lines, it can be slit lengthwise and fitted in place. All seams and joints must be sealed with approved adhesive on both surfaces.

Proper installation is critical to the insulation's performance. It is important to properly size the insulation, push (not pull) the insulation over the pipe or tubing, and seal all seams, butt joints, and open ends.

Guide to Installing **Rubber Foam Insulation Tubes**

Step 1: Measure and Prepare
Measure and select the correct size of rubber foam tube for your pipe.

Step 2: Cut the Tube
Cut the tube along its length using a sharp knife if it is not pre-slit.

Step 3: Place the Tube
Open the slit and place the tube over the pipe, ensuring a snug fit.

Step 4: Seal the Tube
Press the edges of the slit together to close and seal the tube.

Step 5: Insulate Joints
Cover pipe joints and bends using additional cut pieces of foam.

Step 6: Secure the Seams
Secure all seams and ends with insulation tape or adhesive for a tight seal.

Standard Flat Sizes						
Nominal Thickness		Sizes		Sheets per carton	Total Area per Carton	
mm	inch	m	feet		m	feet
6	¼	0.914 x 1.22	3 x 4	40	44.60	480
9	3/8	0.914 x 1.22	3 x 4	26	28.99	312
13	½	0.914 x 1.22	3 x 4	20	22.30	240
15	5/8	0.914 x 1.22	3 x 4	16	17.84	192
19	¾	0.914 x 1.22	3 x 4	14	15.61	168
25	1	0.914 x 1.22	3 x 4	10	11.15	120
31	1 ¼	0.914 x 1.22	3 x 4	8	9.76	104
38	1 ½	0.914 x 1.22	3 x 4	7	8.54	91

Standard Insulation Size of Foam Sheet Standard carton size: 1310 mm × 990 mm × 320 mm (51 in × 39 in × 12.5 in)

Continuous Rolls			
Nominal Thickness		Nominal (Width x Lenght)	
mm	inch	m	feet
6	¼	0.914 x 9.14	3 x 30
9	3/8	0.914 x 9.14	3 x 30
13	½	0.914 x 9.14	3 x 30
15	5/8	0.914 x 9.14	3 x 30
19	¾	0.914 x 9.14	3 x 30
25	1	0.914 x 9.14	3 x 30
31	1 ¼	0.914 x 9.14	3 x 30
38	1 ½	0.914 x 9.14	3 x 30

Standard insulation size of continuous rolls

Foam Tube and Sheet in Container & Trailer						
Description	Dimension	UOM	Quantity 1 Container			Trailer
			20 feet	40 feet	40 feet HC	40 feet
Foam Tube	2 meter	No. of boxes	106	212	220	-
Foam Tube	6 ft. length	No. of boxes	110	238	265	305
Foam Sheet	3' x 4'	No. of boxes	104	208	250	-
	3' x 30' x 9 mm	No. of rolls	66	132	-	-
	3' x 30' x 13 mm	No. of rolls	42	84	-	-
	3' x 30' x 19 mm	No. of rolls	36	72	-	-
	3' x 30' x 22 mm	No. of rolls	32	64	-	-
	3' x 30' x 25 mm	No. of rolls	30	60	-	-

Quantities of foam tube and sheet in container & trailer

Main Properties for **Selected Rubber**

		General Purpose Rubbers			Special Purpose Rubber			
		Natural	Styrene-Butadiene	Polybutadiene	Ethylene Propylene Terpolymer	Isobutylene Isoprene	Chloroprene	Acrylonitrile Butadiene
	ASTM D1418 Classification	NR	SBR	BR	EPDM	IIR	CR	NBR
Polymer Properties	Specific Gravity	0.93	0.94	0.93	0.86	0.92	1.23-1.25	0.98-1.00
	Glass Transition Temp. (°C)	-75	-60	-85	-60	-80	-50	-40 to -25
Mechanical Properties	Hardness, Shore A/IRHD	25-95	30-95	40-95	40-95	40-80	30-95	30-95
	Tensile Strength, Mpa (max)	30	25	20	115	20	25	25
	Elongation at Break, %	500-700	450	450	400	400	600	500
	Resistance to Tear	4	2	2	2	2	3/4	2/3
	Resistance to Abrasion	3/4	3/4	4	2/3	2/3	3/4	2/3
	Resistance to Cut & Cut Growth	3/4	2/3	2/3	2	2	2/3	2/3
	Resistance to Flexing & Fatigue	3/4	3	4	3	3	2/3	2/3
	Resistance to heat ageing	2/3	2/3	2/3	3	3	2/3	3
Environmental Resistance	Rebound Resilience	4	3	5	3	1	3	1/2
	Ozone	2/3	2	2	5	4	3	2
	Oxidation	3	3	2/3	4	3/4	3/4	4
	Weathering	2/3	2/3	2/3	5	4	3	3/4
	Flame	2	2	2	2	2	3/4	2

		General Purpose Rubbers			Special Purpose Rubber			
		Natural	Styrene-Butadiene	Polybutadiene	Ethylene Propylene Terpolymer	Isobutylene Isoprene	Chloroprene	Acrylonitrile Butadiene
	ASTM D1418 Classification	NR	SBR	BR	EPDM	IIR	CR	NBR
Fluid Resistance	Aquous (Water)	3	2/3	3	3	3	2	4
	Alkalies	2/3	2/3	2/3	3/4	3	3	2/3
Fluid Resistance	Dilute	2/3	2/3	2/3	4	3/4	3/4	2/3
	Concentrated	1/2	1/2	1/2	3/4	2/3	1/2	1/2
Hydrocarbons	Aliphatic	1	1	1	1	1	3	3
	Aromatic	1	1	1	1	1	1	2
	Animal & Veg. Oil	1	1	1	3	3	3	4

Rating for **Mechanical Properties**

1: Poor **2:** Moderate **3:** Good **4:** Excellent **5:** Outstanding

ARIL Accreditations

ISO 14001:2015 CERTIFIED ENVIRONMENTAL MANAGEMENT SYSTEM

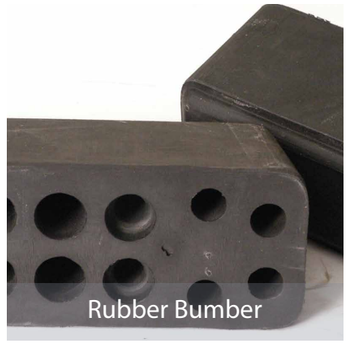
QUALITY MANAGEMENT SYSTEM ISO 9001 : 2015

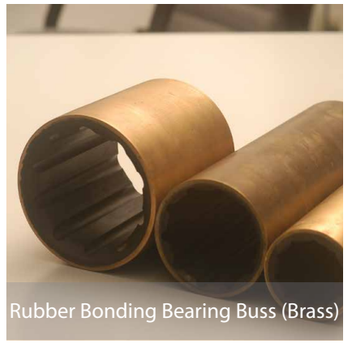
ISO 45001 Occupational Health & Safety Management System

WRAS WATER REGULATIONS ADVISORY SCHEME


Rubber Foam Sheet


Flat Seal Gasket


Rubber Bumber


Rubber Bonding Bearing Buss (Brass)


Gate valve


Rubber Bush


Rubber Flat Seal


Rubber Gaskets


Rubber Block for Concrete Blocks

Notes:

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