



GULF•O•FLEX®

PRODUCT OF RUBBERWORLD

COMPLETE RANGE OF QUALITY HVAC & R PRODUCTS

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Rubber World

Rubber World Industry was established in 1993 to manufacture a comprehensive and versatile range of technically advanced Rubber Insulation products. Part of the Shaikhani Group of Companies, RWI is a pioneer UAE national enterprise that has become an industry leader in the entire Gulf and South-East Asian region.

Today, we supply 56% of the region's requirements for Rubber Insulation products and trade in a complete range of HVAC & R products. International exports to the USA, Europe, Africa and Far East Asia have enabled the company to achieve remarkable multi-million dollar revenue and overall global success.

Gulf-O-Flex®

Having become a world leader in engineered foams, Rubber World Industry LLC developed "Gulf-O-Flex" as our flagship brand in flexible foam insulation. Gulf-O-Flex products ensure a high level of reliability through the careful selection of raw materials and constant quality control. Our continuous effort to offer the most appropriate insulation system with perfect balance of cost ratio has been the formula for our success.

Gulf-O-Flex products are dust free, fibre free, CFC free, and have an ODP of zero for environmental friendly products. They are also formaldehyde free, have low VOCs and are resistant to mould and mildew.

Insulation Tube & Coil



TUBES RANGE

- Plain
- Aluminium Facing
- Aluminium Facing, Slit with Adhesive
- Aluminium Facing, Slit without Adhesive
- Aluglass Facing
- Slit without Adhesive
- Slit with Adhesive
- Continuous Coil
- Coloured



Insulation Sheet Rolls & Slabs



SHEETS RANGE

- Roll
- Box
- Aluminium Facing
- Aluglass Facing
- Black Glass Cloth
- Coloured
- With Adhesive
- Without Adhesive
- Sound Resistant and Sound Proofing
- Duct Liner
- For Base Control and Vibration
- For Duct Outer Process
- For Flooring (3mm)
- For Sports Track



TECHNICAL DATA

S. No.	SPECIFICATIONS	INDEX	TEST METHOD	
1	MATERIAL	NBR		
2	CELL STRUCTURE	CLOSED CELL		
3	DENSITY kg/m^3	50 - 80 kg/m^3	ASTM C 302:1995 ASTM D 3575-91	BS EN 1602:2013
4	THERMAL CONDUCTIVITY "k" at 35 °C MEAN TEMPERATURE	0.033 W/m - K	ASTM C518	BS 874 1986
5	TEMPERATURE LIMITS °C CONSULT SALESPERSON FOR APPLICATIONS WITH TEMPERATURES BELOW -40 °C & HIGHER THAN +120 °C	-40 °C to +120 °C	ASTM C 534	
6	THERMAL STABILITY % SHRINKAGE	2.54 (7 DAYS AT 105 °C)	ASTM D 3575 -91	
7	FLEXIBILITY	EXCELLENT	ASTM D1056-85	
8	WATER ABSORPTION	2.98	ASTM D 3575 -91	
9	WATER VAPOUR PERMEABILITY perm/Max	0.00 Perm - in	ASTM E96/96M	MEETS THE REQUIREMENTS OF TABLE 1 OF BS 5422:2009
10	WATER VAPOUR DIFFUSION RESISTANCE FACTOR "μ"	>7300	BS EN 12086	
REACTION TO FIRE				
11	FLAMMABILITY	SELF EXTINGUISHING	ASTM D 635-91	
12	FIRE RATING*	CLASS O, CLASS 1 25/50 RATED	BS 476 PART 6 & 7 ASTM E 84	UL 723
13	AVERAGE TIME OF BURNING	LESS THAN 4 SEC	ASTM D 1149	
14	AVERAGE EXTEND OF BURNING	15 MIN		
ENVIRONMENTAL				
15	GLOBAL WARMING POTENTIAL (GWP) OZONE DEPLETION POTENTIAL (ODP) RESISTANCE TO OZONE	EXCELLENT	ASTM D 1149	ASTM D 1171
16	RESISTANCE TO WEATHER & UV RAYS	EXCELLENT	ASTM G - 154 ASTM G - 155	ASTM G - 23
17	RESISTANCE TO FUNGI/MILDEW	NO FUNGAL GROWTH	ASTM G - 21	ASTM C - 1338
18	RESISTANCE TO BACTERIA	NEGLIGIBLE	ISO 22196	ASTM E 2180
19	RESISTANCE TO CORROSION	pH NEUTRAL	ASTM C 692	EN 13468
20	DUST, FIBRE & ASBESTOS	FREE	EPA 600	
21	CFC & HCFC	FREE	GC - MS	
22	ODOUR	NEGLIGIBLE	SAE J1351	
23	RESISTANCE TO CHEMICALS	EXCELLENT	ASTM C 871	
24	LEACHABLE CHLORIDES	<0.05 (WATER-SOLUBLE CHLORIDE IONS)	ASTM C 692 DIN 1988	EN 13468
25	EMISSION (VOC) VOLATILE ORGANIC COMPOUNDS	VERY LOW (<6 $\mu g/m^3$)	ASTM D 5116	
ACOUSTIC PROPERTIES				
26	SOUND ABSORPTION COEFFICIENTS FREQUENCY (Hz) 1/2" (13mm) 1" (25mm) 2" (50mm)	NRC = 0.38 NRC = 0.49 NRC = 0.55	ASTM C 423	
27	SOUND TRANSMISSION CLASS	6 (Insulation) 38 (Insulation Adhered to Steel Duct)	ASTM E-90	
28	STORAGE LIFE	SELF ADHESIVE: SHEETS/ROLLS/TUBE/TAPES FACING: SHEETS/ROLLS/TUBE/TAPES	1-YEAR	STORE IN DRY,CLEAN & VENTILATED SPACE

SPECIFICATION COMPLIANCE

* As per customer demand

ASTM C 518

ASTM D 1056-00-2C1

CLASS 0

(Fire propagation test according to BS 476 part 6
complies with the requirements of UK.)

CLASS 1

(Surface spread of flame according to BS 476 part 7
complies with the requirements of UK.)

ASTM E-84 (25 / 50)



Class 0 & Class 1 Approved by:



RUBBER INSULATION TUBES PER BOX

INSULATION ID		WALL THK 3/8" , 9mm	WALL THK 1/2" , 13mm	WALL THK 3/4" , 19mm	WALL THK 1" , 25mm	WALL THK 1-1/4" , 32mm	WALL THK 1-1/2" , 38mm	WALL THK 2" , 50mm
INCHES	mm	PCS/CTN	PCS/CTN	PCS/CTN	PCS/CTN	PCS/CTN	PCS/CTN	PCS/CTN
1/4	6	168	90	50	35	15	***	***
3/8	10	130	80	40	25	15	***	***
1/2	13	115	65	40	25	15	12	6
5/8	16	90	60	35	20	12	8	6
3/4	19	76	45	30	20	12	8	6
7/8	22	70	40	30	20	12	8	6
1	25	55	40	25	20	12	8	6
1-1/8	29	55	36	25	18	12	8	6
1-1/4	32	40	30	20	15	12	6	4
1-3/8	35	36	30	20	15	12	6	4
1-1/2	38	30	24	17	12	10	6	4
1-5/8	41	30	25	17	12	8	6	4
1-7/8	48	25	20	15	10	8	6	4
2	51	25	20	15	9	8	4	4
2-1/8	54	25	20	15	9	8	4	4
2-3/8	60	20	18	12	9	7	4	3
2-1/2	64	20	15	10	8	7	4	3
2-5/8	67	20	15	10	8	7	4	3
2-7/8	73	***	15	10	6	6	3	3
3	76	***	12	10	6	6	3	3
3-1/8	79	***	12	10	6	6	3	3
3-1/2	89	***	10	8	6	4	3	2
4	102	***	6	6	4	4	3	2
4-1/8	105	***	6	6	4	4	3	2
4-3/8	111	***	6	6	4	4	3	2
4-1/2	114	***	6	6	4	4	2	2
5	127	***	4	4	4	3	2	2
5-1/8	130	***	4	4	4	3	2	2
5-3/8	137	***	4	4	3	3	2	***
5-1/2	140	***	4	4	3	3	2	***
6	152	***	***	4	3	3	2	***
6-1/8	156	***	***	4	3	3	***	***
6-3/8	162	***	***	4	3	3	***	***
6-1/2	165	***	***	***	3	3	***	***

RUBBER INSULATION SHEET ROLLS

WALL THICKNESS		SIZE	
INCHES	mm	LENGTH (m)	WIDTH (m)
1/4	6	30	1
3/8	9	20	1
1/2	13	14	1
5/8	16	12	1
3/4	19	10	1
1	25	8	1
1-1/4	32	6	1
1-1/2	38	4	1
2	50	4	1

Note:

- Aluglass, Adhesive & Aluminium Foil Finishing is available in same sizes.
- **Tolerance:** ± 5% for Length, Thickness & Internal Diameter.
- Sizes can be customised, contact salesperson for more

RUBBER INSULATION SHEET BOXES

WALL THICKNESS		SIZE		PCS
INCHES	mm	LENGTH (m)	WIDTH (m)	PER CARTON
1/4	6	1	1	30
3/8	9	1	1	26
1/2	13	1	1	20
5/8	16	1	1	16
3/4	19	1	1	14
1	25	1	1	10
1-1/4	32	1	1	6
1-1/2	38	1	1	4
2	50	1	1	4



**RUBBER
WORLD**



Canvas Cloth



Sealant 30-36
& 30-36 AF
(Canvas Coating)



Glue 81-10



Sealant 32-17
(Acrylic Sealant)



Glue 81-10
(AC Duct
Adhesives)



Rubber Cork
Pad



Metal Sandwich
Pad



Full Ribbed
Rubber Pad



Uninsulated
Duct



Flexible Insulated
Duct



Self-Adhesive NBR
Foam Tape



Duct Cloth Tape



Aluglass Tape



Aluminium FSK
Tape



Aluminium Tape



Flange



Cleat



Clamp



Corner



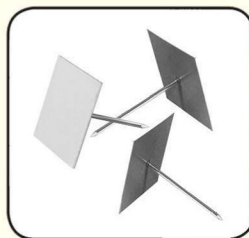
PVC Tape



Duct Connector



Semi-Rigid
Flexible Aluminium
Duct



Stuck-Up Pin



Spiral Duct

