

# GULF•O•FLEX<sup>®</sup> ULTRA ▶

HIGH PERFORMANCE  
ENGINEERED INSULATION

FOCUS ON  
**SUSTAINABILITY**  
& **FIRE SAFETY**

**EUROCLASS b-s1, d0**



ULTRA

## RUBBER WORLD INDUSTRY

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

Today, we supply 56% of the region's requirements for rubber insulation products; and trade in the complete range of HVAC products.

International exports to USA, Europe, Africa and Far East Asia has enabled the Company to achieve remarkable multi-million dollar revenue and overall global success.

Our vision is to be the global parameter for the highest quality through a combination of the best raw materials, innovation and a perfect cost-value balance.

Gulf-O-Flex® provide innovative products that ensure safety to the end-client and reliability to a widely growing clientele. We offer products and services that are created through a top to bottom comprehension of client necessity. Our dream is to turn as a preferred choice in the market by setting a new benchmark for the business around the world.

The finest raw material and the latest technology combined in our facilities with great precision to ensure the highest quality. While we protect, we sustain resources and set standards for the world to follow. While customer safety is our foremost concern, we also focus on conserving energy in our processes and in the functioning of our products. Our innovations create satisfied customers and a healthy world.



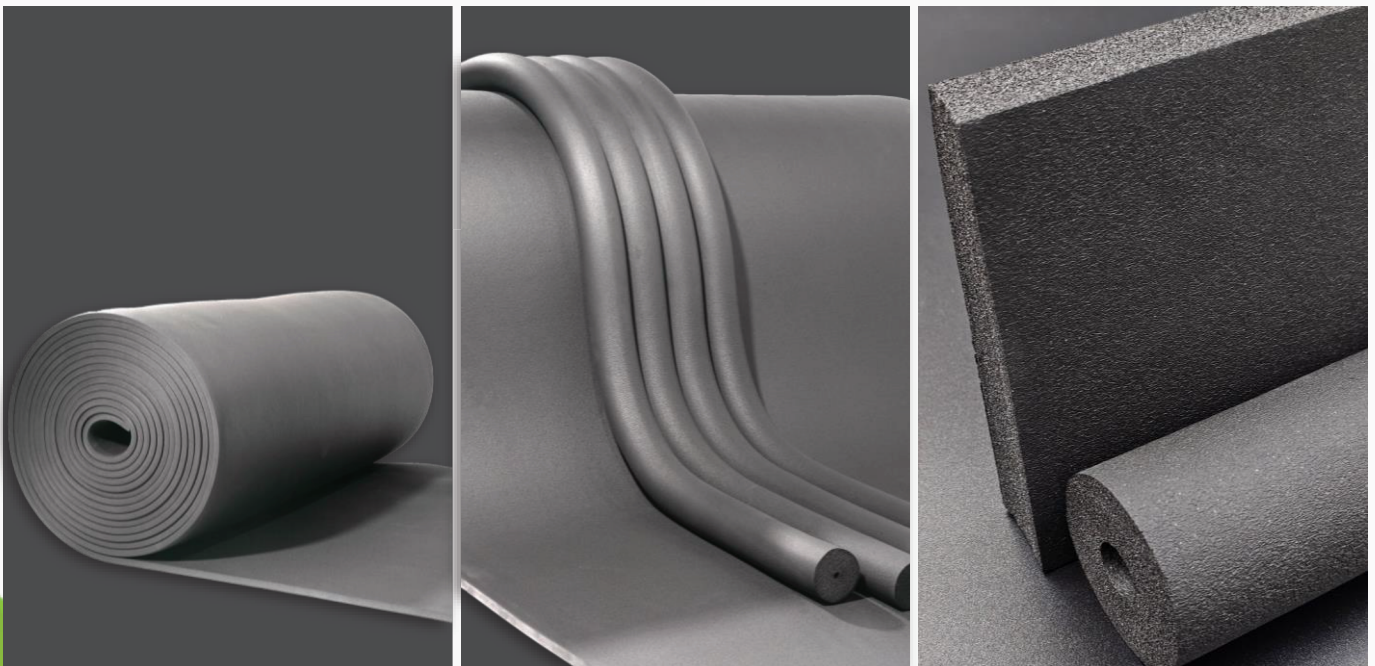
## GULF-O-FLEX ULTRA®

Having become a world leader in engineered foams, Rubber World Industries 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, fiber free, CFC free, and has an ODP of zero for environmentally friendly products. It is also formaldehyde free, has low VOCs, and resistant to mold and mildew.

Having become a world leader in engineered foams, Rubber World Industries 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.



# TECHNICAL DATA SHEET

## TECHNICAL DATA

| SPECIFICATIONS                          | VALUE/ASSESSMENTS              | TEST METHOD               | EQUIVALENT      |
|-----------------------------------------|--------------------------------|---------------------------|-----------------|
| CELL STRUCTURE                          | CLOSED CELL                    |                           |                 |
| DENSITY kg/m <sup>3</sup>               | 60-70 kg/m <sup>3</sup>        | ASTM D 3575-91            | BS EN 1602:2013 |
| THERMAL CONDUCTIVITY "k" (35°C)         | 0.032 W/m - K                  | ASTM C518                 | BS 874 1986     |
| TEMPERATURE LIMITS °C                   | -40 °C to +120° C              | ASTM C 534                |                 |
| WATER VAPOR PERMEABILITY                | 0.00 Perm - in                 | ASTM E96/96M              |                 |
| ENVIRONMENTAL                           |                                |                           |                 |
| RESISTANCE TO OZONE ODP & GWP           | EXCELLENT                      | ASTM D 1149               | ASTM D 1171     |
| RESISTANCE TO WEATHER & UV RAYS         | EXCELLENT                      | ASTM G - 154 ASTM G - 155 | ASTM G - 23     |
| RESISTANCE TO FUNGI/MILDEW              | NO FUNGAL GROWTH               | ASTM G - 21               | ASTM C - 1338   |
| RESISTANCE TO BACTERIA                  | NEGLECTIBLE                    | ISO 22196                 | ASTM E 2180     |
| RESISTANCE TO CORROSION                 | pH NEUTRAL                     | ASTM C 692                | EN 13468        |
| DUST,FIBRE & ASBESTOES CFC & HCFC       | FREE                           | EPA 600 EPA 608           | GC - MS         |
| RESISTANCE TO CHEMICAL                  | EXCELLENT                      | ASTM C 871                |                 |
| REDUCTION OF HAZARDOUS SUBSTANCE (ROHS) | ND                             | ICP-OES                   | IEC 62321 - B   |
| EMISSION (VOC)                          | VERY LOW (<6 ug/m <sup>3</sup> | ASTM D 5116               |                 |
| REACTION TO FIRE                        |                                |                           |                 |
| FLAMMABILITY                            | SELF-EXTINGUISHING, LOW SMOKE  |                           |                 |
| FIRE RATING                             | EUROCLASS A2-s1, d0            | EN 13501                  | EN 13501        |
|                                         | FM APPROVED                    | FM 4924                   | FM 4924         |

Note: For available sizes please refer our packing data





# TUBE SIZE CHART

| INSULATION | ID  | WALL THK 3/8"<br>9mm | WALL THK 1/2"<br>13mm | WALL THK 3/4",<br>19mm | WALL THK 1"<br>25mm | WALL THK<br>1-1/4", 32mm | WALL THK<br>1-1/2" 38mm | WALL THK<br>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  | 20                   | 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                   |

## 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         |
| 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         |

## RUBBER INSULATION SHEET BOXES

| WALL THICKNESS |    | SIZE (METERS) |       | PCS        |
|----------------|----|---------------|-------|------------|
| INCHES         | MM | LENGTH        | WIDTH | 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          |

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