



SRP

المصنع السعودي للمنتجات المطاطية
Saudi Rubber Products Factory



Introduction

Saudi Rubber Products SRP Is a leading manufacturer supplier since 1998 of high quality and high-tech Rubber Products, SRP has earned on outstanding reputation for providing unique Salutation to challenging customer application through innovative compound and tools design.

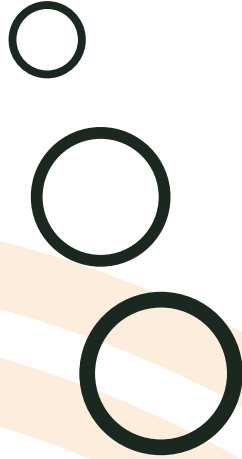
SRP is a ISO 9001:2008 Certified

SRP specialized in production of Molded and Extruded such as O -rings, Gasket, Pipe Seal, Profile & Foam products and ability to provide custom forming part upon clients requirements With various type of Compound



Our Vision to be -

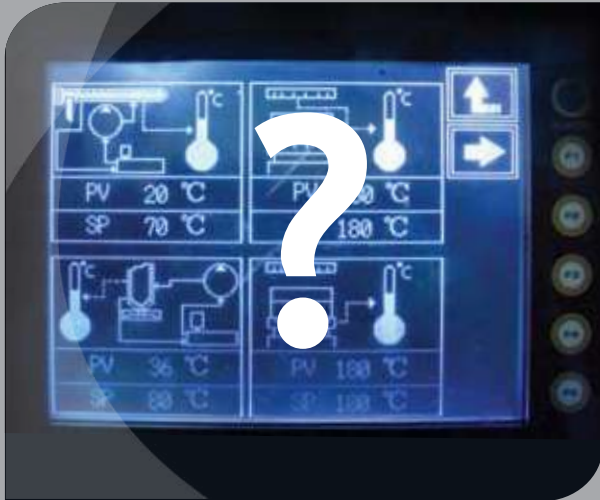
The Best O Ring & Seal supplier by Fast delivery with high quality



Think O-Rings
with Saudi RRubber Product

Technology

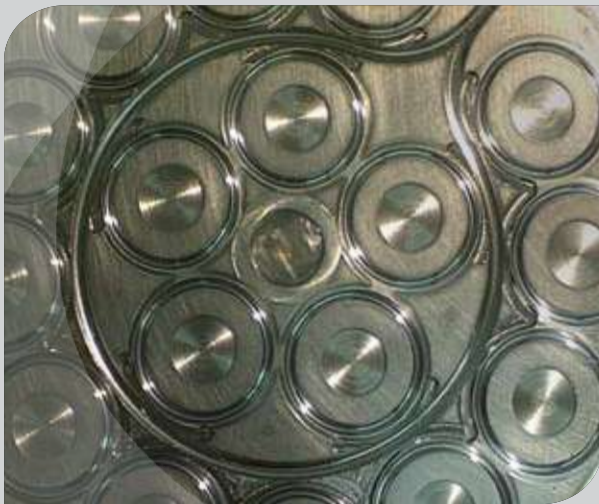
abcdefghijklkj



Vertical Injection



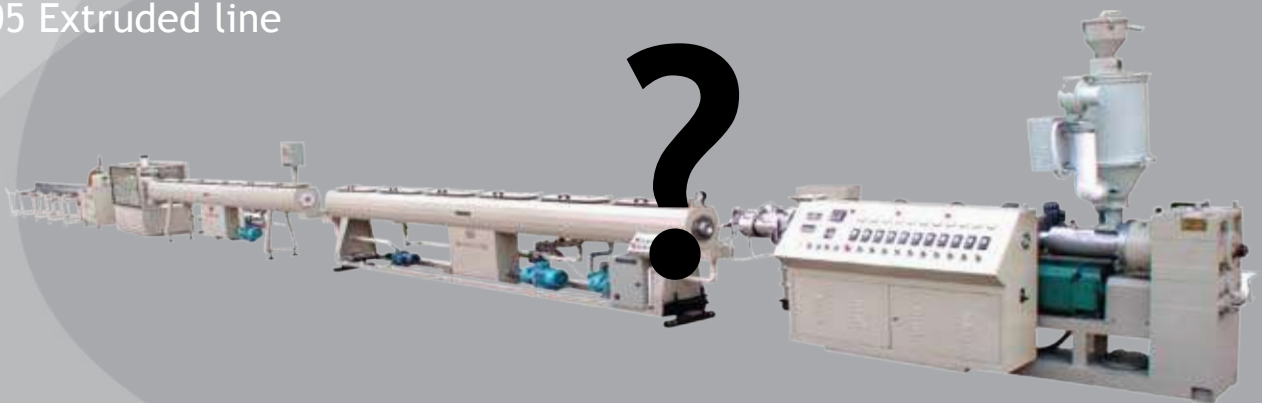
03 Molding



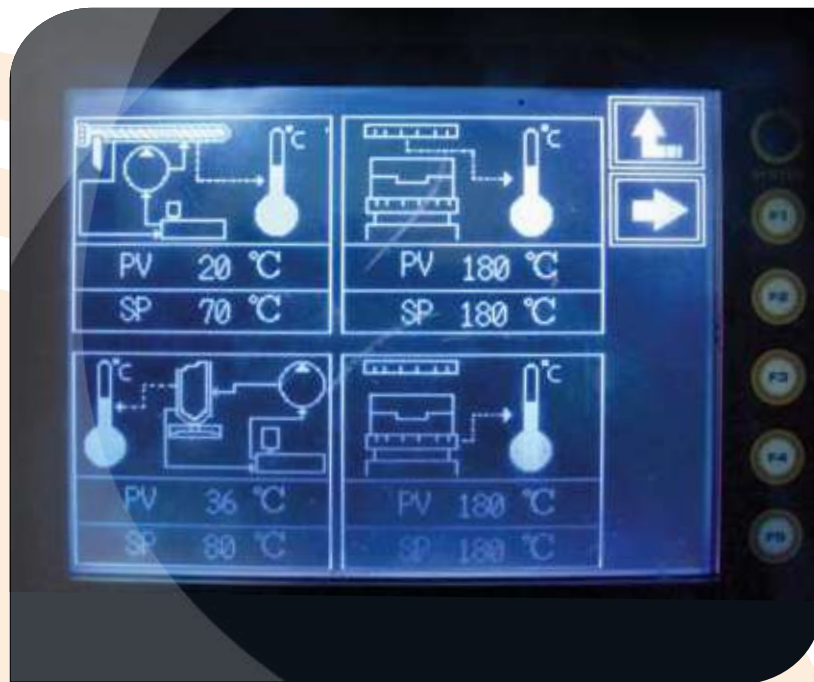
04 Deflaishing



05 Extruded line



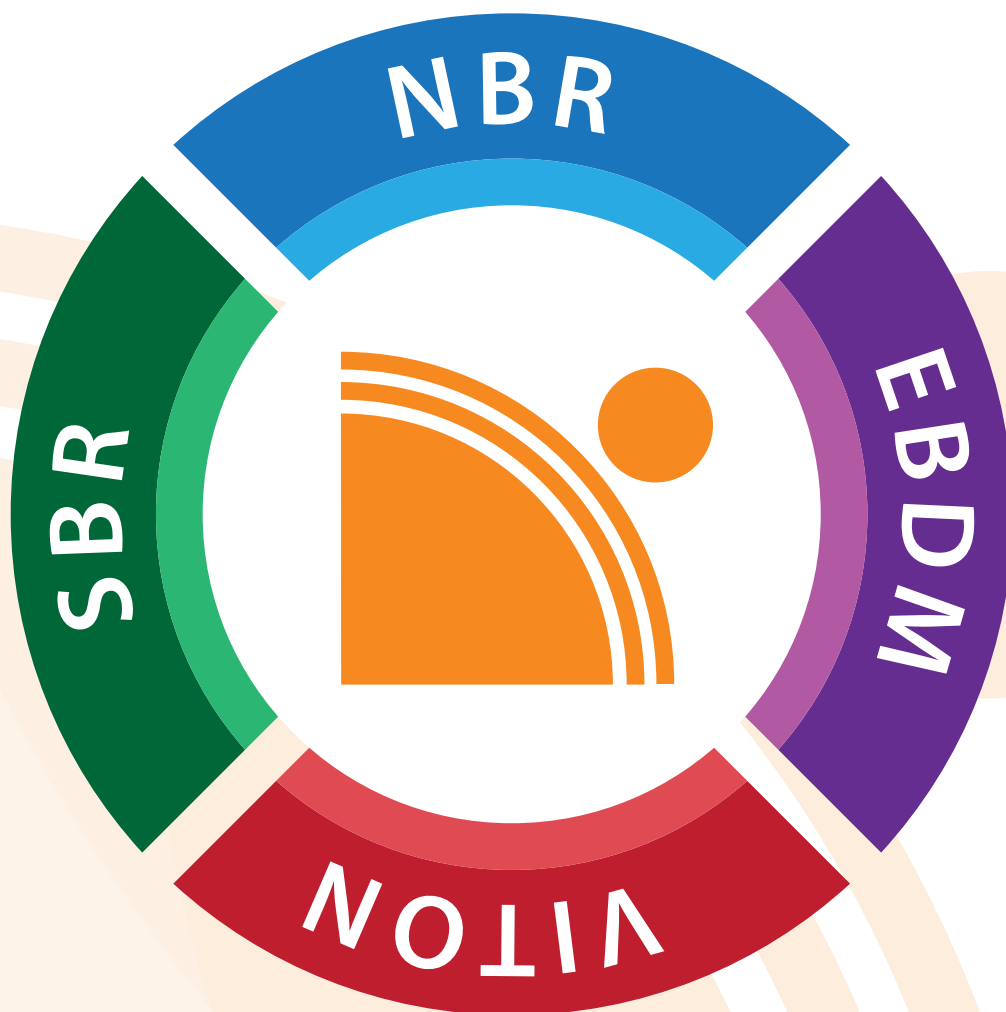
Horizontal Injection



Material Properties

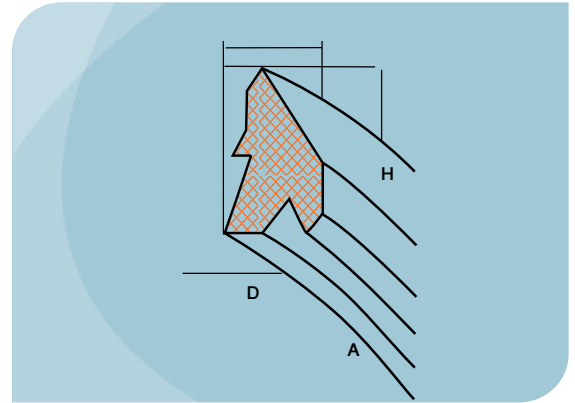
* Excellent	● Good	○ Fair	△ Poor
-------------	--------	--------	--------

Property	Natural Rubber (NR)	Styrene butadiene Rubber (SBR)	Ethylene Propylene Diene Monomer (EPDM)	Nitrile Butadiene Rubber (NBR)
Density	0.91	0.94	0.95	1.0
Hardness (Shore A)	20-100	30-100	30-90	20-95
Max. Tensile (PSI)	4000	3500	3000	4000
Elongation (Max. %)	900	600	650	700
Compression Set	*	*	●	*
Abrasion resistance	*	*	●	*
Water Resistance	○	*	○	●
Oil Resistance	○	△	○	*
Low Temp. Usage °C	- 30 °C	- 40 °C	- 40 °C	- 40 °C
High Temp. Usage °C	100 °C	100 °C	150 °C	150 °C
Adhesion to metals	*	*	●	*
Electrical Insulation	*	●	*	○
Freedom of Odor	○	○	○	●
Permeability to gas	○	△	●	△
Sunlight aging	△	△	*	●
Heat aging	●	△	*	*
Flame resistance	△	△	△	△
Tear Resistance	●	○	●	●



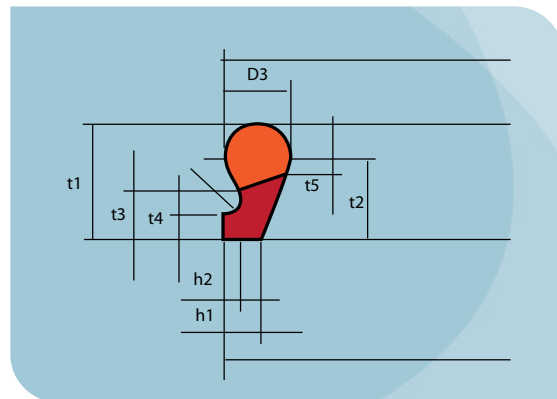
Pip seal

Reka Rubber Ring



Application

Rubber Seal for jointing of GRP Pipe with Different Design Type



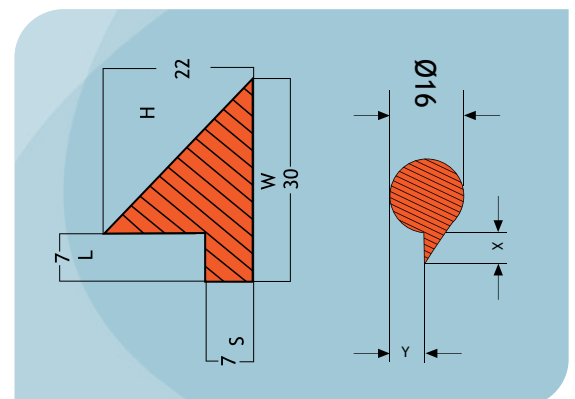
Ductile Rubber



Application

Rubber Seal for jointing of Ductile Cast Iron Pipe and fitting in accordance with ISO 2531 with type of T-Shape and K-Shape, K-Shape For use in Size 1400 To 2200 -T-Shape For use in Size 100 To 1200

Rubber Ring for Concrete Pipe

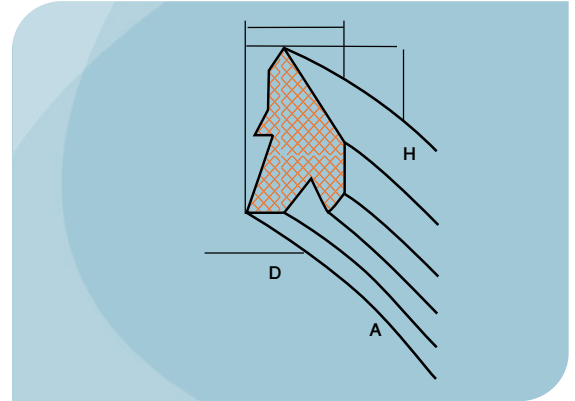


Application

Rubber Seal to use for jointing of Concrete Pipe with Two type of Design Angular Ring and Rubber O ring - Angular Ring - Rubber O ring

Pip seal

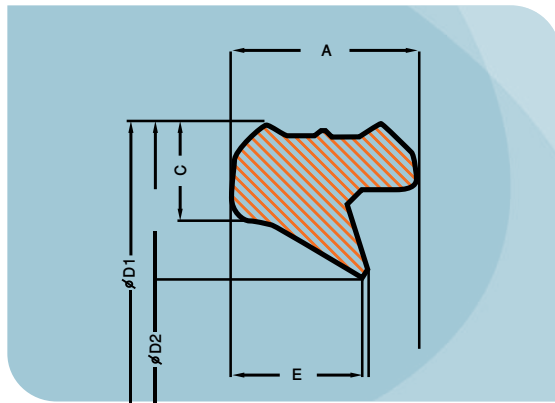
3S Rubber Ring



Application

Rubber Rings used to seal the pipe at the point of joint and for not to allow entry of outside liquid and gas into the pipeline .Gaskets are made for used in UPVC pipe.
The Available Size From 63 To 800

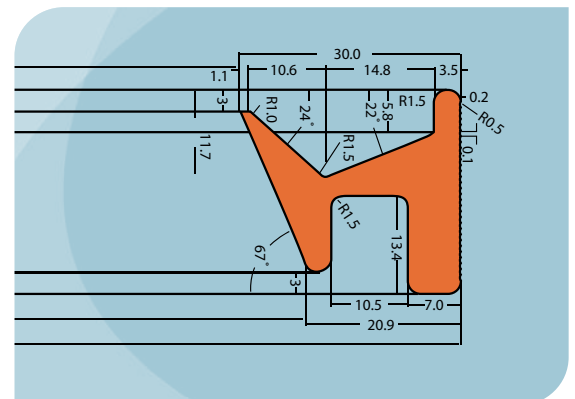
Lipseal Rubber Ring



Application

Rubber Rings used to seal the pipe at the point of joint and for not to allow entry of outside liquid and gas into the pipeline .Gaskets are made for use in UPVC pipe And fitting.
The Available Size From 40 To 315

L-Joint Sysytem

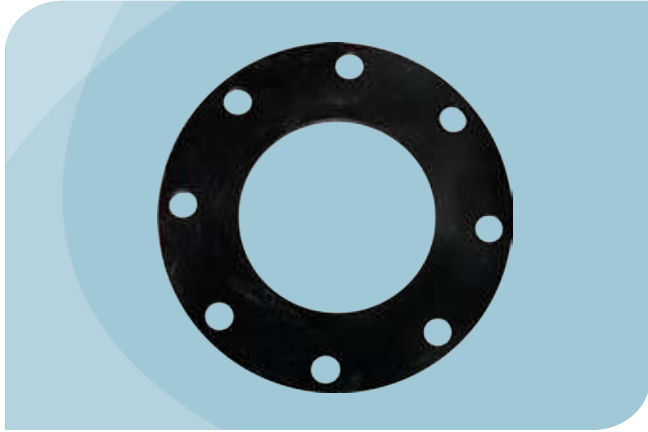


Application

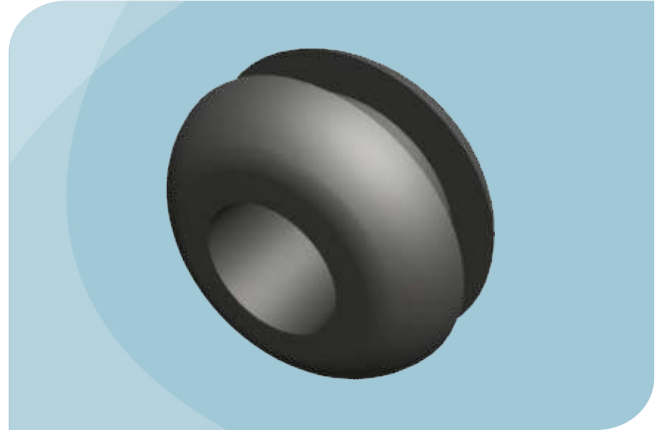
L-Joint Rubber Ring to jointing Clay Pipe system "F" size up to nominal Diameter of 150mm

Moulded Products

Gasket



Grommet A



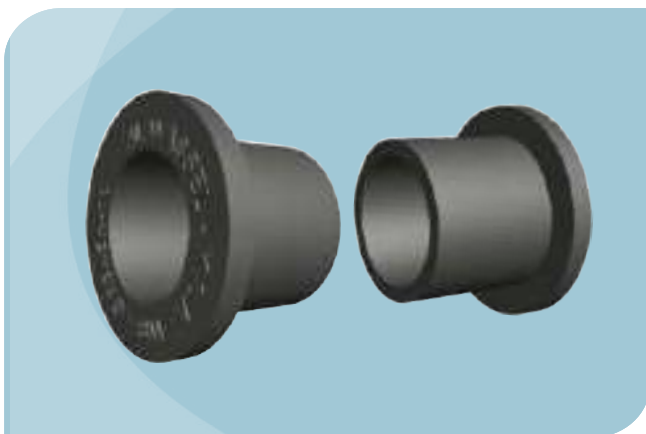
Plucking Fingers



Grommet B



Tophat



Rubber_Washer

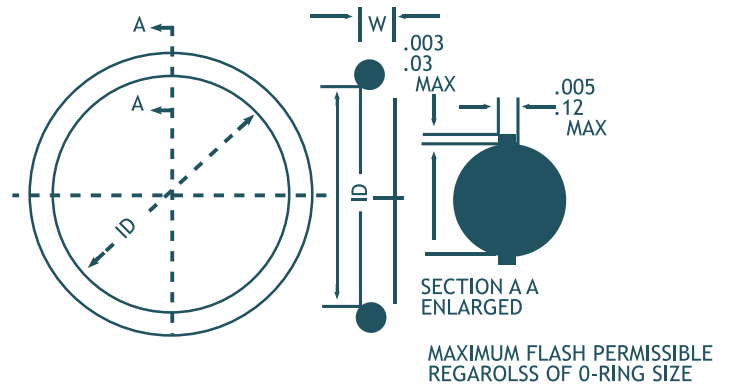


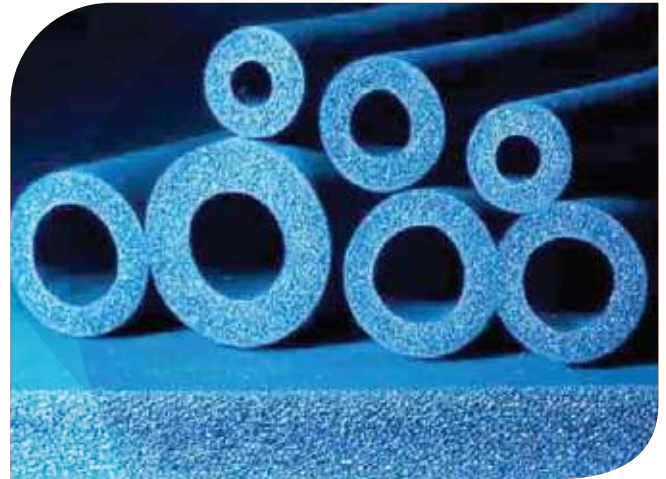
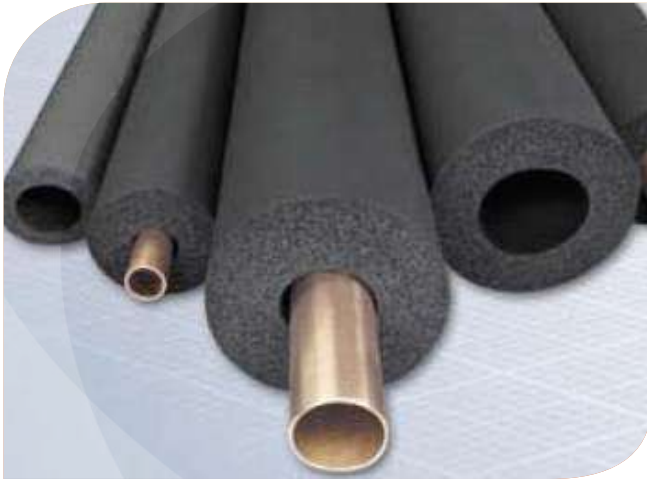


SRP O-RING

SRP O-rings are manufactured by the self-trimmed and semi self-trimmed injection molding process . Our perfection in mould design has give us a well acclaimed strong-hold in the field of O-ring. SRP O-ring are based on the versatile cross-section
The Available O Ring AS568, BS1806

* Special Dimension Upon Request*





IsoFlex foam tube and sheet are used for insulation of piping for heating, refrigeration, air conditioning, hot and cold water lines. It withstands temperatures from -40°C to 120°C .

Technology

Our special technology produces tubing and sheeting whose chemical structure and chemical composition makes it resistant to microorganism, ozone oils and most solvents. The internal and external skin permits exceptional resistance to water and vapour and allowing the installer an easy application as the tubing and sheeting slips on to the piping.

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 close cell structure forms as impermeable layer which is in itself a good vapour barrier.

- It is suitable for application within the temperature range of -40°C to 125°C . »
- The material has been specially compounded to self-extinguishing in nature.
- IsoFlex has excellent ozone and ultraviolet resistance.
- It is CFC, asbestos, chlorine and fiber free and does not cause skin allergy.
- It is inert to most chemical agent and neutral to pipe metals.
- The extreme flexibility of the materials makes installation fast, easy and economical.
- It is able to withstand tearing, rough handling and severe site conditions.
- Much lesser space is needed for IsoFlex as a thinner wall is required due to its low K value as compared to other types of insulation.
- The smooth surface of IsoFlex material gives the finishes installation a neat and aesthetic appearance. No coating is necessary on most indoor installations.

“Extruded Rubber Profile”

SRP is a manufacturing unit that specializes kinds of high-quality rubber profile such as building construction profile, containing seals, automobile weather-strips. Finding exactly the right rubber compound for a particular application is never easy but SRP are always please to offer advice on shore hardness, tensile strength , recoil elasticity, abrasion resistance, resistance to common agents such as petrol, oil, solvents, climate influences and ozone. The compound processed by SRP includes NBR, CR, EPDM and as per customer requirements. SRP manufacture these rubber profile as per specific sizes, shape, cross sections and etc. given by the customer.

Pre-Production Capabilities

Our production unit houses a full-fledged modern laboratory with latest state equipment and gadgets that facilitates our design and engineering team to:

- Create a Product from general specifications.
- Formulate a custom compound to fit specific applications.
- Conduct extensive product testing to meet set standards.

Typical Products which can be supplied in coils, rings or mitered frames are:

- Buffer sections
- Clamping sections
- Door and Window seals
- Edge sealing profiles
- Filler profiles
- Flexible tubes
- Flocked rubber weather-strips
- Manhole cover seals
- Welts of all kinds

SRP special material capabilities include extrusion of the following:

- Solid/Dense materials
- Open and Closed cell sponge materials
- Typical commercial and specification grade materials



Technical Specifici

Application Recommendation

Recommendation Thickness controlling condensation in pipe insulation of cooling lines.

DESIGN CONDITION	PIPE SIZE	PIPE LINE TEMPERATURE			
		14.4°C	7°C	2.5°C	-18°C
Mild Condition 26.7°C 50%	10mm ID to 76 IPS	9mm	9mm	9mm	9mm
	Above 76mm IPS to 127mm IPS	9mm	9mm	9mm	9mm
	Above 127mm IPS to 254mm IPS	9mm	9mm	9mm	9mm
Normal Condition At 29.4°C 70 % RH	10mm ID to 76 IPS	9mm	13mm	13mm	25mm
	Above 76mm IPS to 127mm IPS	13mm	13mm	13mm	31mm
	Above 127mm IPS to 254 IPS	13mm	13mm	13mm	31mm
Severe Condition 32.2°C 80% RH	10mm ID to 76 IPS	13mm	19mm	19mm	38mm
	Above 76mm IPS to 127mm IPS	13mm	19mm	19mm	38mm
	Above 127mm IPS to 254 IPS	13mm	13mm	25mm	50mm
Extremely Severe 38°C 85% RH	10mm ID to 76 IPS	13mm	25mm	25mm	38mm
	Above 76mm IPS to 127mm IPS	19mm	31mm	31mm	50mm
	Above 127mm IPS to 254 IPS	25mm	31mm	38mm	50mm

Mild: Air-conditioned and arid areas.

Normal: Maximum Severity of most indoor conditions seldom exceed 29.4 °C

Severe & Extremely Severe

§depressed below the ambient. Under condition of high humidity, additional thickness of insulation may be required.

Insulation for pipes of 10mm ID 76mm IPS are available in tubing form with wall thickness of up to 25 mm.

Insulation above 76mm IPS are in precut sheets and available up to 38mm thickness. IsoFlex thickness recommended within the specified temperature range will control condensation on indoor piping under design conditions defined as follows:

Recommendations Thickens, for ducting insulation and equipment of cooling systems.

DESIGNS CONDITIONS	15 °C	12 °C	7 °C	2.5 °C	-18 °C
26.7 °C 50% RH	9mm	9mm	13mm	19mm	25mm
29.4 °C 70% RH	13mm	13mm	19mm	25mm	31mm
32.2 °C 80% RH	13mm	19mm	25mm	31mm	50mm
38 °C 85%	25mm	25mm	31mm	38mm	50mm

Technical Specifici

Cell Structure	CLOSED	Factory Test
Density gms/cm	0.070-0.11	Factory Test
Thermal Conductivity K value at 20° mean temperature	0.0382 w/m-K	ASTM C 518
Temperature Limits Deg C	-40°C to 125°C	
Thermal Stability % Shrinkage	2.54 (7 days at 95°C)	ASTM D 3575-91
Water absorption % by weight	2.98	ASTM D 3575-91
Water vapor permeability prem/max	0.91 Perm-in	ASTME 96-95
Resistance to Ozone	Excellent	ASTM D 1149
Flammability	Self Extinguishing	ASTM D 635-91
Smoke Density	Class VO	ASTM D 1149
Average time of burning	Less than 4 sec.	UL-94
Average extent of burning	15mm	
Flexibility	Excellent	ASTM D 1056-85
Resistance to weather & ultra violet rays	Very Good	ASTM G-53-96
Resistance to chemicals	Very Good	
Outdoor	Negligible	SAEJ-1351
Mildew resistance	No Fungal Growth(0)	ASTM G-21-80
Cooper Corrosion	Negligible	ASTM C-665-94
Water Vapor Diffusion factor(μ)	7535	DIN 52615-1987

Insulation Sheet Sizes

STANDARD FLAT SHEETS						
Nominal Thickness		Sizes		No. Sheets Per Carton	Total Area Per Ctn.	
mm	inch	M	Ft		M ²	Ft ²
3	1/8	0.914 x 1.22	3 x 4	80	89.20	960
6	1/4	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	1/2	0.914 x 1.22	3 x 4	20	22.30	240
16	5/8	0.914 x 1.22	3 x 4	16	17.84	192
19	3/4	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
32	1 1/4	0.914 x 1.22	3 x 4	8	9.76	104
38	1 1/2	0.914 x 1.22	3 x 4	7	8.54	91

Standard Carton size: 1310 mm x 990 mm x 320 mm (51 in 39 in 12.5 in)

CONTINUOUS ROLLS					
Nominal Thickness		Nominal Thickness		Total Area Per Roll	
mm	inch	M	Ft	M ²	Ft ²
3	1/8	0.914 x 9.14	3 x 30	8.35	90
6	1/4	0.914 x 9.14	3 x 30	8.35	90
9	3/8	0.914 x 9.14	3 x 30	8.35	90
13	1/2	0.914 x 9.14	3 x 30	8.35	90
16	5/8	0.914 x 9.14	3 x 30	8.35	90
19	3/4	0.914 x 9.14	3 x 30	8.35	90
25	1	0.914 x 9.14	3 x 30	8.35	90
32	1 1/4	0.914 x 9.14	3 x 30	8.35	90
38	1 1/2	0.914 x 9.14	3 x 30	8.35	90

Insulation Tube Sizes

IsoFlex		COPPER PIPE		IRON PIPE		TUBING-UNIT LENGTH 6 FEET (1.83M) OR 2 METER or continuous length (50 meter/roll)				
Nominal Insulation Size ID		Nominal Pipe Size OD		Nominal Pipe Size OD		Nominal 6mm wall thickness 1/4 inch	Nominal 9mm wall thickness 3/8 inch	Nominal 13mm wall thickness 1/2 inch	Nominal 19mm wall thickness 3/4 inch	Nominal 25mm wall thickness 1 inch
mm	inch	mm	inch	mm	inch	No. of Pcs. Per carton	No. of Pcs. Per carton	No. of Pcs. Per carton	No. of Pcs. Per carton	No. of Pcs. Per carton
6	1/4	6	1/4			200	170	110	60	-
10	3/8	10	3/8			175	140	90	40	30
13	1/2	13	1/2	6	1/4	160	120	75	40	25
16	5/8	16	5/8	10	3/8	120	90	60	35	25
19	3/4	19	3/4			110	80	45	30	20
22	7/8	22	7/8	13	1/2	90	70	40	30	20
25	1	25	1			-	60	40	25	20
28	1 1/8	28	1 1/8	19	3/4	-	50	36	25	18
32	1 1/4	32	1 1/4			-	42	30	20	15
35	1 3/8	35	1 3/8	25	1	-	36	30	20	15
42	1 5/8	42	1 5/8	31	1 1/4	-	30	25	17	12
48	1 7/8	48	1 7/8	38	1 1/2	-	25	20	15	10
51	2	51	2			-	20	18	15	10
54	2 1/8	54	2 1/8			-	20	18	15	9
60	2 3/8	60	2 3/8	50	2	-	20	18	15	9
67	2 5/8	67	2 5/8			-	18	18	12	8
73	2 7/8	73	2 7/8	64	2 1/2	-	18	15	10	6
76	3	76	3			-	15	15	10	6
79	3 1/8	79	3 1/8			-	15	12	10	6
89	3 1/2	89	3 1/2	70	3	-	12	12	10	6

Testing Facilities

The force which works behind the achievement and confidence of SRP is its advanced research and development center; equipped with sophisticated instrument. This ensures minimum lead time for development, support value engineering and value addition with consistent quality supply.



Quality

Our commitment to quality is reflected at every level be it Person, Process or Product.

Our commitment to quality and service is further strengthened by ISO 9001: 2008 certification by BSI





المصنع السعودي للمنتجات المطاطية
Saudi Rubber Products Factory

الوسائل 



Saudi Rubber Products Factory

Industrial City, Qassim, Saudi Arabia
Tel. +966 6 3220280 Ext. 106 Fax +966 6 3220176
E-mail: info@srprubber.com

Riyadh Office
P.O.Box 21599 Riyadh 11384
Tel. +966 1 4508434 Fax +966 1 4508166

www.srprubber.com