get associated with quality.....

SUJOY ENTERPRISES

Distributors : Rex Seal, MPS Fastner , PPL Fastner

JP-114, Jay Ratna Complex, Shop No. 8, Indrayaninagar,
Bhosari, Pune - 411026.
E-mail : sujoyenterprises@gmail.com, info@sujoyentprises.com
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Gland Packing

SE RI-9 PTFE fiber packing of 100% virgin fibers.

This gland packing is made from 100% virgin PTFE yarns. These are **Self Lubricating** yarns, no external Lubricant is Required. No Oil, no external Lubricant, no chance of burning. Ideal for **Oxygen services** and resistant to corrosive acids. This packing is designed to withstand all types of Chemicals under Severe conditions.

Service Conditions: Liquid oxygen pumps & valves, acids, Alkalis, solvents, dryers, chemicals, air compressors.

SE-9	*pH*	Temp °C	Pr. Bar	Velocity	Density	Size mm
	0-14	-225 to +275	350	0-20 m/s	1.4 to 1.6 g/cm^2	3 to 50

SE RI - 45 Gore Type PTFE Graphite packing.

This is Braided from Gore Type PTFE graphite Fibers. This packing has a special blended lubricant which does not allow the packing to get hard thus minimizing shaft wear and gives longer life.

Service Conditions: Oils, hydrocarbons, solvents, acids, alkalis, detergents, distilleries, chemicals, dyes, intermediates, pesticides, marine application

SE-45	*pH*	Temp °C	Pr. Bar	Velocity	Density	Size mm
	3-12	-250 to +300	300	0-12 m/s	1.3 to 1.7 g/cm^2	3 to 50

SE RI-99 PTFE Graphite gland packing

This is Braided from PTFE GRAPHITE Fibers, it has self lubricating property which assists dissipation of heat which ensures negligible hardness, no friction resulting in minimal shaft wear.

Service Conditions: Oils, hydrocarbons, solvents, acids, alkalis, detergents, distilleries, chemicals, dyes, intermediates, pesticides.

SE-99	*pH*	Temp °C	Pr. Bar	Velocity	Density	Size mm
	0-14	-250 to +300	300	0-12 m/s	1.3 to 1.7 g/cm^2	3 to 50

SE RI-27 Pure Aramid fibre packing

This is braided from **Pure Aramid Fibers**. These fibers are extremely strong and smooth. These fibers are treated with special quality High temperature resistant lubricant.

Service Conditions: Solvent, acids, alkalis, oils, pharmaceuticals, gritty water, for sewerage application etc.

SE-27	*pH*	Temp °C	Pr. Bar	Velocity	Density	Size mm
	2-143	-225 to +325	350	0-18 m/s	1.4 to 1.7 g/cm^2	3 to 50

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Gland Packing

SE RI-10 PTFE fiber packing with synthetic Rflon Lubricant

This packing is manufactured using 100% virgin PTFE yarns Densely Impregnated with **Rflon PTFE** dispersion which Enables it to handle high pressures. The packing has non toxic and inert constituents which ensue safety & purity of the Medium

Service Conditions: Acid, alkalis, Gland areas where zero tolerance to contamination is required, dyes, paper, pulp, high Pressure valves.

SE-10	*pH*	Temp °C	Pr. Bar	Velocity	Density	Size mm
	0-14	-225 to +275	350	0-20 m/s	1.4 to 1.6 g/cm^2	3 to 50

SE RI-6003 Carbonaceour Aramid Fiber Packing

This gland packing is made from combination of **Pure Aramid (Kelvar) fibers** with dense impregnation of Carbon .The high content of carbon ensures excellent heat dissipation and very low friction which results in minimum shaft wear. The base fiber (Aramid) provides high strength and stability. Designed for aggressive and abrasive slurry pumps.

Service Conditions: Hazardous and Abrasive media, Slag & slurry pumps, etc.

SE-6003	*pH*	Temp °C	Pr. Bar	Velocity	Density	Size mm
	3-12	-250 to +280	250	0-12 m/s	1.4 to 1.6 g/cm^2	3 to 50

SE RI-11 Synthetic PTFE fiber packing

This packing is manufactured using synthetic PTFE yarns, they are suited for Low pressure in Food and pharmaceutical Industry

Service Conditions: Clean water handing pumps & valves, Food, Chemicals and pharma industries.

RI-11	*pH*	Temp °C	Pr. Bar	Velocity	Density	Size mm
	0-14	-200 to +250	200	0-20 m/s	1.4 to 1.6 g/cm^2	3 to 50

SE RI-81 PTFE Aramid Packing

PTFE fiber packing of 100% virgin fibers.

This gland packing is made from combination of PTFE fiber at the faces and Pure Aramid at the corners. This design provides excellent dimensional stability and is recommended to use in Plunger pumps and pumps handling corrosive media. This is a non toxic, non contaminating packing.

Service Conditions: Liquid ammonia, carbonate, Urea, oxygen pumps & valves, acids, food industry.

RI-81	*pH*	Temp °C	Pr. Bar	Velocity	Density	Size mm
	2-12	-200 to +260	250	0-20 m/s	1.4 to 1.6 g/cm^2	3 to 50

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Gland Packing

SE RI-63 Aramid + GFO® fibre Packing

PTFE fibre packing of 100% virgin fibres.

This gland packing is made from combination of **GFO®** fibre at the faces and Pure Aramid at the corners. This design provides excellent dimensional stability and abrasion resistance. Designed for high pressure, high speeds having excellent resistance to abrasive media **Service Conditions:** Hazardous and Abrasive media, dewatering pumps, fine slurry pumps, etc**.**

SE-63	pH	Temp °C	Pr. Bar	Velocity	Density	Size mm
	2-12	-250 to +280	500	0-20 m/s	1.4 to 1.6 g/cm^2	3 to 50

SE RI-18 Flexible Graphite Packing

This is braided from **Flexiblee Graphite fibers**. This packing is non-corrosive, self lubricating and gives frictionless sealing providing good life to the packing and Sleeve.

Service Conditions: Acids, Alkalis, Oils, recommended for High Pressure Steam applications. Not suitable for Nitric acid.

* RI- 181 will have Inconel wire reinforced.

SE-18	pH	Temp °C	Pr. Bar	Velocity	Density	Size mm
	2-14	-200 to +600	300	0-15 m/s	0.9 to 1.3 g/cm^2	3 to 50

SE RI-612 Pure carbon with Graphite Packing

This gland packing is made from combination of **Pure Carbon Fibers and Flexible Graphite yarns** with Carbon fibers at the Corners and flexible graphite yarns at the core and face of the gland packing. This combination provides excellent flexibility and Compressibility. This packing is designed for High Temperatures, chemicals and for valve applications.

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SE-612	pH	Temp °C	Pr. Bar	Velocity	Density	Size mm
	0-14	-200 to +600	350	0-20 m/s	1.4 to 1.6 g/cm^2	3 to 50

SE RI-650 (Ultra Pure Graphite Fiber Packing)

A 100% Pure graphite packing designed for extreme applications of High Temperatures and aggressive media. Manufactured using a premium grade of 100% high graphite Fibers treated with high temperature lubricant. This design Ensures excellent heat conductivity, low friction, high Temperature resistance resulting in Lower shaft wear.

Service Conditions: Acids, Alkalis, oil, solvents, steam, Thermic fluid pumps, hot tar pumps, refinery services, etc.

SE-650	pH	Temp °C	Pr. Bar	Velocity	Density	Size mm
	0-14	-250 to +650	350	0-12 m/s	1.4 to 1.6 g/cm^2	3 to 50

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Non Asbestos Jointing Sheets

We are one of the leading manufacturers of compressed Non-Asbetos. Jointing Sheet which fille the space between two or more matting surface, generally to prevent leakage from or into the joint objects while under compression.

Rex Jointing sheets conforms the property requirements of international standards & has many desirable properties to withstand high compressive load. It comes in many different design based on industrial usage, budget, chemical contact & physical parameters.

We produce different types of jointing sheet for high / Medium / Low - Pressure / Temperature & Acidic environments.*

Standard thickness :
0.4; 0.5; 0.8; 1.0; 1.5; 2.0; 3.0; 4.0; 5.0mm

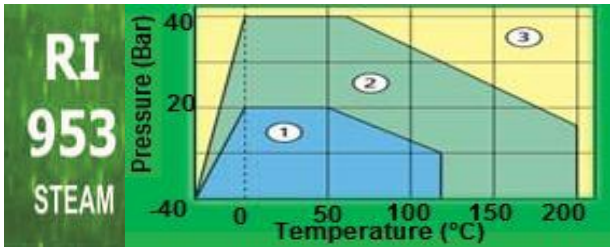
With wire insertion
0.8; 1.0; 1.5; 2.0; 3.0, 4.0; 5.0mm

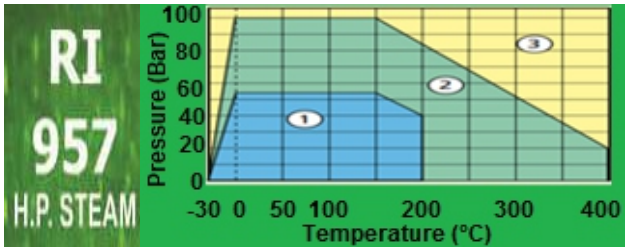
Standard Size : 1.5 x 1.0m, 1.5 x 2.0m
1.5 x 3.0m and 1.5 x4.0m

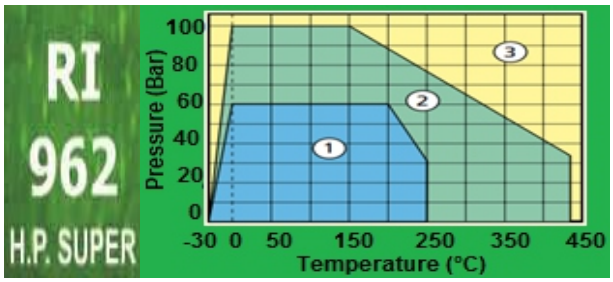
Thickness tolerances :
0.1-0,8 ± 0.1 mm
1,0 - 5.0 ± 10%

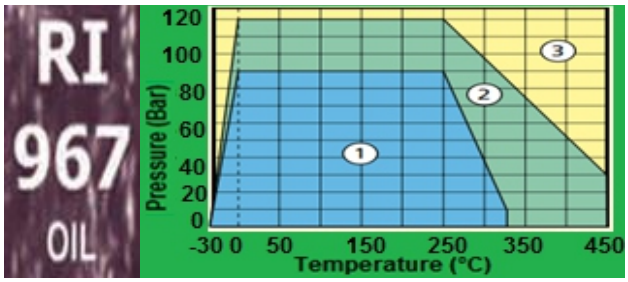
We also make custom sheets as per Client Specification

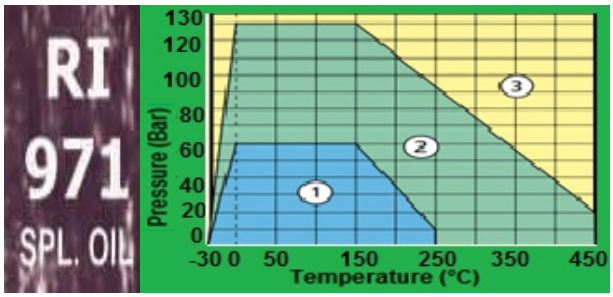
Pressure Vs Temperature Graph

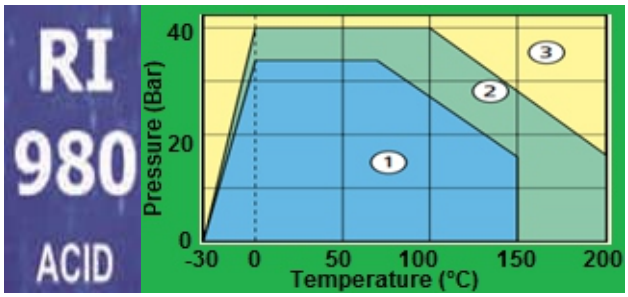












1 - Suitable area (even for steam, application)
2 - Suitable extended area, technical advice is recommended
3 - for this area technical consultation is mandatory

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Major Characteristics for Compressed Non-Asbestos Fibre Jointing Sheet

Material	Density G/CC	Tensile Strength as per ASTM F152 in MPA	Resi-Dual Stress as per BS 7531 in MPA	Gas permeab-ility as per BS7531 in CC/MIN	Compres-sabilty as per ASTM F36 in %	Recovery as per ASTM F36 in %	Fluid Resistance				Ignition Loss	Maximum operation pressure in BAR	Temperature Rating	Service Features
							ASTM Oil No. 3		Fuel B					
							Thickness Increase in %	Mass increase in %	Thickness Increase in %	Mass increase in %				
RI 953 STEAM	1.9	12	18	<1.0	8-11	≥35	≤10	≤15	≤15	≤15	≤25	35	Msx. Short term service temp : 400°C Max Continuous service temp : 250°C Max. Operation temp, for steam 180°C	Suitable for use with Glasses Water, Low Pressure Steam & Dilute Acids & Alkailies
RI 957 H.P.STEAM	2.0	13	22	<1.0	7-11	≥40	≤10	≤15	≤10	≤15	≤30	80	Msx. Short term service temp : 400°C Max Continuous service temp : 250°C Max. Operation temp, for steam 180°C	For wide range of Industrial Applications For wide range of Industrial Applications Recommended for Medium Pressure Steam, Gases, Water & Dilute Chemicals
RI 962 H.P.SUPER	1.8	15	25	<1.0	7-11	≥45	≤ 8	≤10	≤ 8	≤10	≤35	150	Msx. Short term service temp : 400°C Max Continuous service temp : 250°C Max. Operation temp, for steam 180°C	For use with Oil, Solvents, Gases, Steam, Acid & Alkalies 1. Excellent Tensile Strength 2. Outstanding Gas Sealability 3. High Resistance to creep under elevated temp. & Pressures.
RI 967 OIL	1.9	14	22	<0.5	8-12	≥40	≤10	≤10	≤ 8	≤10	≤35	80	Msx. Short term service temp : 450°C Max Continuous service temp : 250°C Max. Operation temp, for steam 250°C	General Purpose for Oils, Solvents, Water, Steam, Gases, Dilute Acids & Alkalies, Glycols & Aqueous Solutions.
RI 971 SPL. OIL	1.7	15	25	<0.1	7-11	≥45	≤ 8	≤10	≤ 8	≤10	≤40	150	Msx. Short term service temp : 450°C Max Continuous service temp : 250°C Max. Operation temp, for steam 250°C	General Purpose for Oils, Solvents, Water, Steam, Gases, Dilute Acids & Alkalies, Glycols & Aqueous Solutions.
RI 980 ACID	1.75	13	25	<0.1	8-12	≥40	≤ 8	≤10	≤ 8	≤10	≤40	150	Msx. Short term service temp : 250°C Max Continuous service temp : 210°C Max. Operation temp, for steam 210°C	Acid Resistance Grade Recommended for use against Hot Concentrated Organic Inorganic & Mineral Acids.

Composition : Aramid fibres bonded with NBR rubber

All of the above are available with Gauze Wire Insertion - Except for RI - 980 Acid

All of the above are alse Available with Anti-Stick Coating or Graphite Coating

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CHEMICAL	RI-953 STEAM	RI-957 H.P. STEAM	RI-962 H.P. SUPER	RI-967 OIL	RI-971 SPL OIL	RI-980 ACID
Acetic acid 100%	C	A	A	A	A	A
Acetone	B	B	B	B	B	B
Acetylene	A	A	A	A	A	A
Air	A	A	A	A	A	A
Aluminium Chloride	A	A	A	A	A	A
Ammonia	B	A	A	A	A	A
Ammonium hydrogenphospate	B	A	A	A	A	A
Barium chloride	A	A	A	A	A	A
Benzene	B	A	A	A	A	A
Boric acid	B	A	A	A	A	A
Calcium hydroxide	B	A	A	A	A	A
Carbon dioxide	A	A	A	A	A	A
Copper sulphate	A	A	A	A	A	A
Crude Oil	C	A	A	A	A	A
Cyclohexanol	B	A	A	A	A	A
Cyklohexanon	C	B	B	B	B	B
Di-butyl phtalate	A	A	A	A	A	A
Ethyl ether	A	A	A	A	A	A
Ethylen	A	A	A	A	A	A
Ethylene glycol	B	A	A	A	A	A
Formic acid 10%	B	A	A	A	A	A
Glycerine	A	A	A	A	A	A
Hydraulic oil (mineral)	B	A	A	A	A	A
Hydrogen chloride dry	B	A	A	A	A	A
Hydrochlorid acid 20%	C	B	B	B	B	B
Chlorine dry	B	A	A	A	A	A
Chloroform	C	B	B	B	B	B
Iso-octane	B	A	A	A	A	A
Kerosene	B	A	A	A	A	A
Methylene chloride	C	C	C	C	C	C
Natural gas	A	A	A	A	A	A
Nitric acid 20%	C	C	B	C	C	C
Nitrogen	A	A	A	A	A	A
Petrol	B	A	A	A	A	A
Petroleum	B	A	A	A	A	A
Phenol	C	C	C	C	C	C
Potable water	A	A	A	A	A	A
Potassium cyanide	B	A	A	A	A	A
Potassium iodide	A	A	A	A	A	A
Saturated steam	B	A	A	A	A	A
Silicon oil	B	A	A	A	A	A
Sodium carbonate	A	A	A	A	A	A
Sodium hydrogen carbonate	B	A	A	A	A	A
Sodium hydrogen sulphite	B	A	A	A	A	A
Sodium hydroxide	B	B	B	B	B	B
Sodium chloride	A	A	A	A	A	A
Sodium sulphate	A	A	A	A	A	A
Sugar	A	A	A	A	A	A
Sulphuric acid 65%	C	C	C	C	C	C
Tartaric acid	A	A	A	A	A	A
Tetrachlormethane	C	B	B	B	B	B
Toluene	C	A	A	A	A	A
Transformer oil	B	A	A	A	A	A
Turpentine	A	A	A	A	A	A
Xylene	B	A	A	A	A	A

A - recommended

B - Suitability depends on Conditions

C - Not Suitable

If another medium is applied please contact our technical department

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Fabric Expansion Joints

Another expertise of SE is to manufacture Fabric Expansion joints (bellows) of virtually any size & shape, from a range of proven standard constructions or designed especially for defined application.

It is essential that all the relevant parameters and conditions affecting Expansion Joints are taken into account
SE has three basic types of Multi-Layer construction to meet the various needs of our customers

Type L for clean air systems : ranging from simple air intake/exhaust on fans and blowers to high temperature air discharge from heaters.

Type M for gas with low acid content: used on Gas Turbine Exhaust and less severe flue gas systems.

Type R for gas with high acid content: use in environments where the flue gas contains acids at temperature or acids that can form due to condensation at shut down.

Acid barriers are either PTFE impregnated glass cloth or PTFE foil thermally welded to ensure tight seal.

Multi-lyer fabric temperature range is from - 50°C and 1090°C with a standard pressure range of ± 120s W.G.

An important difference in the SE Multi-Layer Fabric is that we do not rely on an insulation pillow to reduce the temperature in contact with the element.

The Multi-Layer Fabric is always designed to withstand the temperature regardless of secondary insulation pillow.

Many competitive designs rely on this insulation pillow for primary protection of their element with disastrous results after several temperature cycles

Distinct Advantages

✓ Accommodate relatively large movements and even some misalignment of flanges.
✓ Light weight & easy to install and with the addition of
✓ Internal insulation bolsters have good acoustic properties

Fabric expansion joints can be supplied fully assembled and fitted to support steelwork ready for insertion into ductwork

For retrofit application, we can supply as factory joined or open for on-site joining where access is limited.

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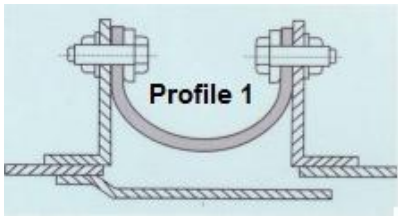
Fabric Expansion Joints

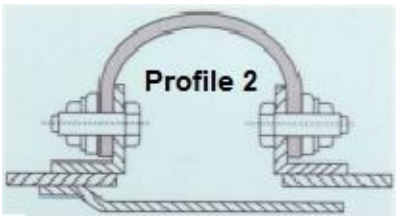
Design of Multi Layer Elements

The design is based on the fabric element's ability to withstand the media temperature.

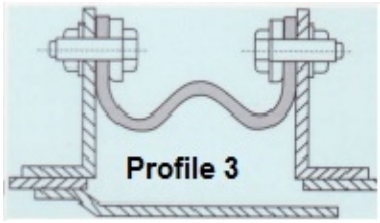
Multi-Layer fabrics are offered in three basic styles: Clamp-on, Belt-Type and Flange Type. The five basic numbers shown below meet all positive and negative pressure applications.



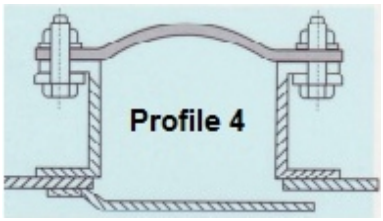
Suitable only for applications operating under negative pressure
But will accommodate relatively large movement



Suitable only for applications operating under positive pressure
But will accommodate relatively large movement

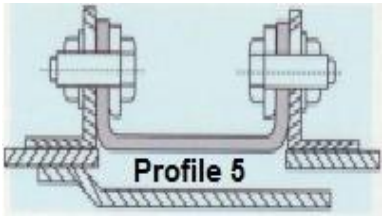


Used when flange depth is limited and is suitable only for applications operating under positive pressure



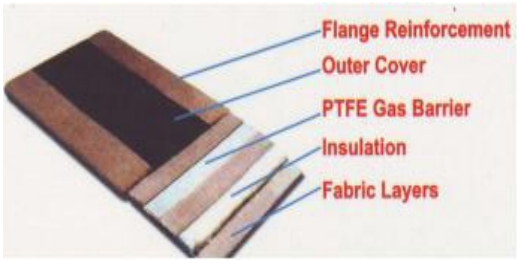
Suitable for both +ve & -ve pressures

If used with a suitable insulation bolster, will provide resistance to highest temperatures

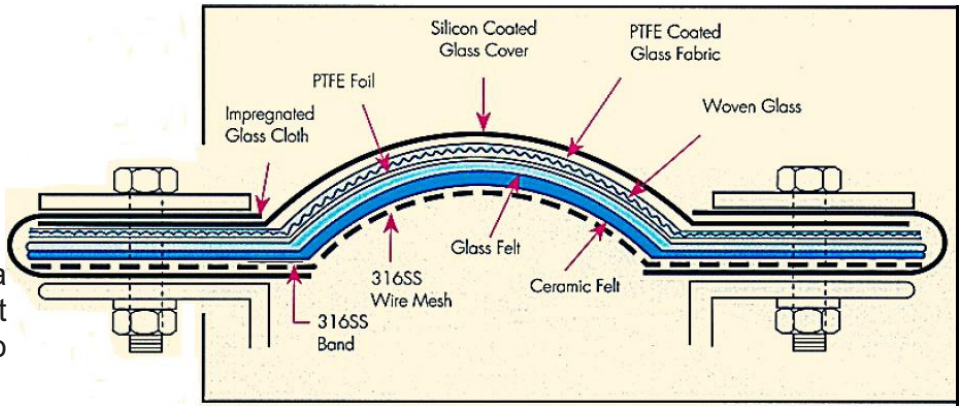


Suitable for operating under both positive and negative pressures.

Mostly for applications with small flanges and little movement



Temp. capabilities range from -50° C - + 1260° C and pressure range from -50kPa to +50kPa



The sectional view of a standard Expansion Joint engineered approach to Multi-Layer Fabrics.

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Insulation Jackets - Reusable

SE custom made insulation jackets are designed to insulate wide variety of equipment including valves, flanges, calorifiers, strainers, separators, actuators, heat exchangers, elbow bends, etc. helping to deliver up to 97% energy conservation, and provide exceptional Thermal Conductivity properties. They are also commonly used to provide insulation against low temperature and protect personnel from burns by reducing the temperature of the exposed pipework surfaces.

Additionally, end users enjoy an attractive return on their Insulation system investment based\ solely on energy savings. The payback period accelerates as equipment size and operating temperature increases.

Key Benefits

- **45% reduction in energy costs.**
- **25% reduction in heater watt density.**
- **40% Faster Start up time**
- Removable / Reusable
- Optimal Thermal Efficiency
- Tool - Free installation
- Rapid Payback Period
- Precise Form-Fit Design
- CAD CAM Technology
- Exceptional Service life
- Standard / Specification Conformance

Typical Applications

- Exchangers
- Exhaust Manifolds
- Flanges
- Filters
- Instruments
- Piping
- Pumps
- Turbines
- Valves

Typical Requirements

- Energy Conservation
- Personnel Protection
- Process Stability
- Leak Detection
- Freeze Protection
- Fire Protection
- Acoustical Abatement
- Corrosion Protection
- Simplified Maintenance

Construction of Rex Insulation Jackets

SE insulation Jacket has self-contained insulation system, constructed with a high density insulation filler with a fully encapsulated outer jacketing. The outer jacketing is double sewn and binded at the closing seams. They jacketing and sewn construction ensure long lasting protection to the insulation filler.

Insulation Jackets Reusable

Technical Data

Insulation System - Energy Savings

TEMP	Valve Size (inches)							
°F °C	2"	3"	4"	6"	8"	10"	12"	14"
250	777.4	1207.95	1639.45	2580.64	3811	5101.8	5881.05	8565.49
121	$ 4.54	$ 7.05	$ 9.89	$ 15.07	$ 22.26	$ 29.79	$ 34.35	$ 50.02
350	1532	2361.5	3307.21	5031.87	7424.68	9940.09	11473	16659
176	$ 8.49	$ 13.79	$ 19.31	$ 29.39	$ 43.36	$ 58.05	$ 67.00	$ 97.29
450	2602.82	4027.54	5636.23	8562.23	12623.87	16969.42	19634.45	28285.95
232	$ 15.20	$ 23.52	$ 32.92	$ 50.00	$ 73.72	$ 99.10	$ 114.67	$ 165.19
550	3991.34	6167.23	8625.34	13088.87	19286.7	25967.32	30085.65	43169.45
287	$ 23.31	$ 36.02	$ 50.37	$ 76.44	$ 112.63	$ 151.65	$ 175.70	$ 252.11
650	580.82	9004.49	12546.96	18990.16	27977.35	37500.45	43589.6	62199.25
343	$ 33.93	$ 52.59	$ 73.27	$ 110.90	$ 163.39	$ 219.00	$ 254.56	$ 363.24
750	7985.69	12364.98	17226.12	26060.77	38381.95	51445.35	59811.5	85309.55
398	$ 46.64	$ 72.21	$ 100.60	$ 152.19	$ 224.15	$ 300.44	$ 349.30	$ 498.21
850	10805.64	16691.34	23257.81	36259.36	51685.85	39292.1	80651	114830
454	$ 63.11	$ 97.48	$ 135.83	$ 205.14	$ 301.85	$ 404.67	$ 471.00	$ 670.61

Btu / Hour Saved with Valve Insulation System Monthly Energy savings

Monthly Energy savings

Insulation System - Product Payback Analysis

TEMP	Valve Size (inches)							
°F °C	2"	3"	4"	6"	8"	10"	12"	14"
250	$ 54.48	$ 84.65	$ 118.68	$ 180.85	$ 267.08	$ 357.53	$ 412.14	$ 600.27
121	20.93	18.78	17.72	16.12	15.25	15.35	16.67	13.6
350	$ 106.74	$ 165.50	$ 231.77	$ 352.63	$ 520.32	$ 696.60	$ 804.06	$ 1167.51
176	1068	9.61	9.07	8.27	7.83	7.88	8.54	6.99
450	$ 182.41	$ 282.25	$ 394.99	$ 600.04	$ 884.68	$ 1189.22	$ 1375.98	$ 1982.28
232	7.24	6.38	5.93	5.28	4.93	4.74	5.21	4.24
550	$ 279.71	$ 432.20	$ 604.46	$ 917.27	$ 1351.61	$ 1819.79	$ 2108.40	$ 3025.32
287	5.63	4.65	4.27	3.74	3.44	3.18	3.54	2.86
650	$ 407.15	$ 631.03	$ 879.29	$ 1330.83	$ 1960.65	$ 2628.03	$ 3054.76	$ 4358.92
343	4.42	3.47	3.28	2.84	2.52	2.5	2.71	2.28
750	$ 559.64	$ 866.54	$ 1207.21	$ 1826.34	$ 2689.81	$ 3605.29	$ 4191.59	$ 5978.49
398	3.22	2.53	2.39	2.07	1.84	1.82	1.98	1.66
850	$ 757.26	$ 1169.73	$ 1629.91	$ 2461.68	$ 3622.14	$ 4855.99	$ 5652.02	$ 8047.29
454	2.65	2.05	1.9	1.62	1.45	1.42	1.53	1.28

Energy saved /Year with valve Insulation System Payback Period (Months)

The engineering data illustrated above is a summary of analysis based on calculations and formulas that have been accepted by the U. S. Department of Energy and performed in accordance to ASTM C 1129-89 (2001)

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Fiberglass (E Glass) Rope - Braided / Twisted

High Temperature Fiber Glass Rope

Our ropes are constructed from high quality type E Glass that will not burn and will withstand continuous exposure to temperatures of 1000°F/ 540°C and occasionally 1500°F / 800°C

This material resists most acids and alkalis; is unaffected by most bleaches and solvents; and in highly flexible and conformable

The basic fiber is manufactured in accordance with specifications outlined in ASTM D-578, ASTM committee D13, and subcommittee D13 1B

Available in black color

Application

Applications include boiler, coke oven, industrial oven, and wood stove doors; crucible packing and pollution control equipment; high temperature tying and lacing cords; and tadpole tape / gasket core ropes.

Size Available : 3mm- 100mm

PHYSICAL PROPERTIES			
Fiber Type	E Glass	Specific Gravity	2.54- 2.69
Breaking Tenacity	1.71 gf/TEX. Std. 1.71 gf/TEX. Std.	Effect of Heat	• Will not burn • Retains 75% tensile at 343°C • Softens at 732-877°C • Melts at 1121 - 1182°C
Tensile Strength	450,000 - 500,000 psi		
Breaking Elongation	4.81 % Std. 4.81 % Wet	Effect of Acids and Alkalis	Resistance to acids is fair Good resistance to most alkalis
Elastic Recovery	100%	Effect of Bleaches and Solvents	Unaffected
Average Stiffness	2824.3 cn/TEX		

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Fiberglass (E Glass) Tape

High Temperature Fiber Glass Tape

Our ropes are constructed from high quality type E Glass that will not burn and will withstand continuous temperatures of 1000°F (538°C)

The material resists most acids and alkalis; is unaffected by most bleaches and solvents; and in highly flexible and conformable

The basic fiber is manufactured in accordance with specifications outlined in ASTM D-578, ASTM committee D13, and subcommittee D13 1B

Available in black color

Application

Applications include boiler, coke oven, industrial oven, and wood stove doors; crucible packing and pollution control equipment; high temperature tying and lacing cords; and tadpole tape / gasket core ropes.

Size Available : 3mm- 100mm

PHYSICAL PROPERTIES			
Fiber Type	E Glass	Specific Gravity	2.54- 2.69
Breaking Tenacity	1.71 gf/TEX. Std. 1.71 gf/TEX. Std.	Effect of Heat	• Will not burn • Retains 75% tensile at 343°C • Softens at 732-877°C • Melts at 1121 - 1182°C
Tensile Strength	450,000 - 500,000 psi		
Breaking Elongation	4.81 % Std. 4.81 % Wet	Effect of Acids and Alkalis	Resistance to acids is fair Good resistance to most alkalis
Elastic Recovery	100%	Effect of Bleaches and Solvents	Unaffected
Average Stiffness	2824.3 cn/TEX		

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Fiberglass (E Glass) Sleeve

High Temperature Fiber Glass Sleeve

Our braided glass fiber sleeve capable of operating at a continuos temperature of 1000°F (538°C)

Designed to expand and contract by approximately 25% of its nominal size, eliminate loose fibers, enhance handling characteristics, and improve abrasion resistance. The acrylic saturant begins to decompose around 400°F (204°C) but with no effect on the thermal performance of the sleeve

The basic fiber is manufactured in accordance with specifications outlined in ASTM D-578, ASTM committee D13, and subcommittee D13 1B

Application

Applications include boiler, coke oven, industrial oven, and wood stove doors; crucible packing and pollution control equipment; high temperature tying and lacing cords; and tadpole tape / gasket core ropes.

Size Available : 3mm- 100mm

PHYSICAL PROPERTIES			
Fiber Type	E Glass	Specific Gravity	2.54- 2.69
Breaking Tenacity	1.71 gf/TEX. Std. 1.71 gf/TEX. Std.	Effect of Heat	• Will not burn • Retains 75% tensile at 343°C • Softens at 732-877°C • Melts at 1121 - 1182°C
Tensile Strength	450,000 - 500,000 psi		
Breaking Elongation	4.81 % Std. 4.81 % Wet	Effect of Acids and Alkalis	Resistance to acids is fair Good resistance to most alkalis
Elastic Recovery	100%	Effect of Bleaches and Solvents	Unaffected
Average Stiffness	2824.3 cn/TEX		

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Ceramic Tapes

High Temperature Woven Tapes
Industrial, Grade Tetraglas, Tetraglas 3000& Ceramic tapes

Tetraplas is woven fiberglass tape made with type E texturized yarns. Available in both plain and drop wrap weave, it has continuous operation temperature of 1000sF / 540sC and has excellent resistance to most acids, alkalis and solvents. We also offer a lighter weight Industrial Grade material. Both constructs can be coated with Vermiculite or PTEF

Tetraglas 3000 is constructed from amorphous silica fibers and has continuous operating temperature of 2000sF/1090sC. It is also available as both plain and drop warp tape. Vermiculite coating can be added to this product to increase abrasion resistance.

Ceramic fiber tape has a continuous operating temperature of 3000°F / 1649°C. It is woven with an insert material of either glass fibers or inconel wire for added strength and durability

PHYSICAL PROPERTIES					
Style / Grade		**Industrial**	**Tetraglas**	**Tetraglas 3000**	**Ceramic**
Continuous Temperature Rating		1000°F/540°C	1000°F/540°C	2000°F/1090°C	3000°F/1649°C
Construction		Standard	Heavy Duty	Heavy Duty	Heavy Duty
Available widths		1/2" to 6"	1/2" to 6"	1/2" to 4"	1/2" to 6"
Type and Nominal thickness					
Plain	1/16"	Yes	Yes	Yes	—
	1/8"	Yes	Yes	Yes	Yes
	1/4"	—	Yes	Yes*	—
Drop Warp	1/16"	Yes	Yes	Yes	—
	1/8"	Yes	Yes	Yes	—
	1/4"	—	Yes	Yes*	
Available modifications Vermiculite Coating (1500°F)		Yes	Yes	—	—
PTFE Coating (500°F)		Yes	Yes	—	—
PSA (150°F)		Yes	Yes	Yes	Yes

** Layered and Stitched - Other Custom Sizes and thickness can be manufactured by layering and stitching*

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High Temperature Woven Ceramic Cloth

High Temperature Woven Ceramic Cloth

Our Ceramic cloth is a woven material made from alumina-silica ceramic fiber and has a continuous operating temperature of 2300sF / 1260sC. It has excellent chemical stability and strong resistance to thermal shock and corrosion attack.

Available with either inconel wire or fiberglass filament insert to increase handling strength and enhance fiber durability, standard rolls are 36 inch wide by 50 feet long. It can be coated with vermiculite or graphite and is an ideal material for gaskets, expansion joints, welding. blankets and curtains, and insulation blankets / pads, folded and stitched strips and tapes and tadpole tapes.

Our ceramic cloth provided a versatile solution to your high temperature protection needs in the construction, power plant primary metals, chemical processing, shipyards, refinery, mining, and many other industries

PHYSICAL PROPERTIES		
Insert Material	**Glass**	**Inconel**
Alumina - Al_2O Content	47%	47%
Silica SiO_2 Content	53%	53%
Thickness - inches (mm)	3.18 (125)	3.18 (125)
Width - inches	36	36
Square feet per roll	150	150
Tensile Strength grip lb/f	63	63
Temperature Continuous - °F (°C)	2300 (1260)	2300 (1260)
Melting Point - °F (°C)	3200 (1760)	3200 (1760)
Insert Material Temperature Max - °F (°C)	1200 (649)	1200 (649)
Color	White	White
Available modifications Vermiculite Coating Graphite	 Yes Yes	 Yes Yes

Vermiculite Coated Ceramic Fiber Cloth

High Temperature Woven Vermiculite Coated Ceramic Fiber Cloth

It is a soft, flexible cloth made of ceramic fiber yarn reinforced by steel wire with vermiculate coated. It is an ideal replacement for asbestos product used for thermal insulation and heat protection. It will not burn, rot, mildew or deteriorate and resist most acids. It has low coefficient of thermal expansion and is suitable for temperature up to 1050°C.

Applications :

Used in welding blankets, stress relieving, removable insulation covers, fire blankets, fire Curtains expansion joints, oven door seals, flue ducts, flue liner protection, Cable protection, Pipe wrap, High temperature gaskets.

Advantage :

Compared to uncoated Ceramic fiber, vermiculite coated Ceramic fiber fabric cloth has little irritation of skin and provides increased resistance to high temperature, flame, and abrasion. In addition, the vermiculite film helps to seal against gases and liquids. Vermiculite Coated Ceramic Cloth is completely non-flammable.

Normal Dimension : Thickness : 1.5mm ~ 4.0mm width 1000mm

Normal Packing : 30m / roll

Ceramic Rope - Braided / Twisted

High Temperature Ceramic Rope

REX ceramic fiber rope is manufactured from ceramic fiber yarn, and braided / twisted on cover to form a solid packing, suitable for caulking and general thermal insulation application, with properties of low thermal conductivity and suitable for high temperature, etc.

REX Ceramic rope is reinforced with fiberglass filament, and optional Inconel / alloy steel wire.

Specification:
Max Continuous temperature: 1250°C.
Melting Temperature : 1800°C

Advantages

- Low Thermal Conductivity
- Will not burn or smolder.
- Resistance to thermal shock.
- Resistance to vibration and stress.
- High tensile with Inconel wire reinforced.

Color : White

Temprature Range : 1260ºC continuous 1800ºC melting point

Chemical Composition : 70% Al, 30% SiO2

Density : 0.6 to 0.8 g/cc

Wave Style : Braided / Twisted

Sizes available : 3 mm to 100 mm

Normal Packing : 5kgs ~ 25kgs/roll

Ceramic Fiber Sleeve

High Temperature Ceramic Fibre Sleeve

Rex Ceramic fibre braided sleeve is manufactured from ceramic fibre yarn. by themethod of tubular braiding to obtain a flexible sleeve, suitable for caulking and genetral thermal insulation, pplication, with properties of low thermal conductivity and suitable for high temperature, etc. Ceramic sleeve is widely used hoses and cableprotection material.

Rex Ceramic can be easily reinforced with either glasses fibre yarn or metallic wire. (stainless steel or nickel wire).

Specification :

Max Continuous temperature: 650C.
With Glass fiber reinforced.

Max Continuous temperature: 1260C.
With Stainless Steel reinforced

Melting Temperature : 1800˚C

Advantages

- Low Thermal Conductivity
- Will not burn or smolder.
- Resistance to thermal shock.
- Resistance to vibration and stress.
- High tensile with SS reinforced.

Color : White

Temperature Range : 1260ºC continuous 1800ºC melting point

Chemical Composition : 70% Al, 30% SiO2

Density : 0.6 to 0.8 g/cc

Weave Style : Braided

Sizes avialable : 10 mm to 75 mm – inner diameter

Normal Packing : 5kgs ~ 25kgs/roll

Refractory Ceramic Fibre (RCF) Paper

High Purify refractory for high temperature insulation

REX RCF Paper is produced from Alumina- Silicate fibers with the minimum addition of carefully selected bonds, which burn out cleanly in service.

RCF paper has low shrinkage, good handling strength, and low thermal conductivity. It contains a small amount of organic binder for processing which makes it flexible, and reduces off-gassing and odor during use.

REX RCF Paper has highly uniform structure due to its controlled basis weight and thickness, assuring homogeneous thermal conductivity and a clean, smooth surface ideal for gasket or sealing. Its flexibility allows it to be wrapped or rolled to fit most complex configurations

Advantages

- High flexibility
- Good resistance to tearing
- Precise thickness
- Resistance to thermal shock
- Very low thermal conductivity

Color : White

Temperature Range : 1260ºC continuous 1800ºC melting point

Thickness : 1~10mm

Sizes available : 500 mm width X 1000 mm length

1000 mm width X 1000 mm length

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Silica Tapes

Silica tape constructed from 96 % pure SiO2 silica

A low cost. convenient, field-installable solution to some of the most demanding high temperature problems.

REX Silica Tape is a slit silica tape constructed from 96% pure SiO2 silica fibre, coated one side with a pressure sensitive adhesive backing that facilitates installation. The adhesive decomposes at high temperatures, leaving a perfectly tape - wrapped hose, cable or pipe and also provides energy and pertsonal protection

Suitable for use at 1800 ºF (982ºC), and able to withstand short term exposure up to 3000 ºF (1650º), REX Silica Tape sets the standard for flexibility and minimum lineal shrinkage under high heat conditions.

PHYSICAL PROPERTIES	
Continuous operating temp.	1800ºF (982ºC)
Max short term exposure :	3000ºF (1650ºC)
Molten splash resistance :	Good
Flame resistabce :	Outstanding
Abrasion resistance :	Moderate
Flexibility :	Outstanding
Tensile strength :	Good

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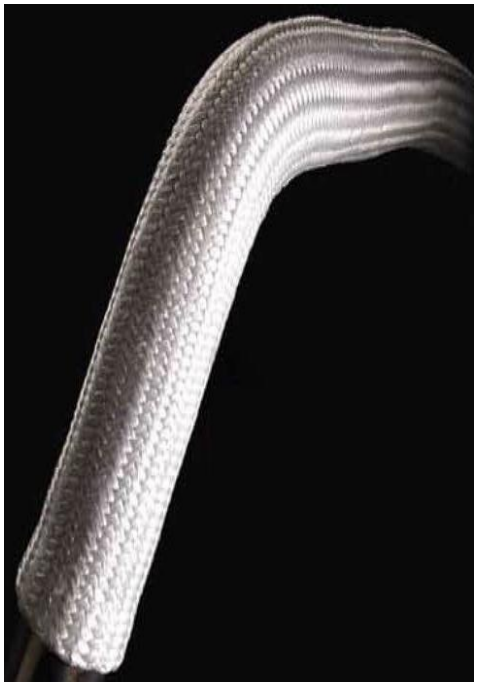
Silica Sleeve

High Temperature Woven Silica Sleeve



Our density woven Silica Sleeve is ideal for protection of delicate components and personal from exposure to high temperature exhausts and pipes.

Silica Sleeve is braided into a strong and flexible sleeve from silica yarns. The thick 60 mil walls of this sleeving provide enhanced thermal protection up to 1,800ºF / 982ºC

This product cuts easily with scissors or shears and expands to allow easy installation over cooling hoses, hydraulic hoses, and electrical cables. Also provides for exhaust systems.

Applications :

Silica sleeve are used for protecting hoses pipes, metal, tubes, electrical cables which may be subjected to extreme temperature.

Properties :

Operating temperature : -70ºC to + 1100ºC
Peak temperature : 1350ºC

Characteristics :

Abrasiob resistabce : Good
Flammability : will not ignite
Thermal insulation ratio : Very good
Expansion ratio : 1:2
Chemaical resistance : Excellent

Silica Cloth RI - 603

High Temperature Woven Silica Cloth

REX Silica cloth is a high performance textile fabric that is composed of high purity, high strength amorphous silica fibres, woven into a strong flexible fabric designed for use where severe temperature conditions exist.

The manufacturing process of REX Silica cloth provide improved brasion resistance against traditional silica fabrics and will not burn, rot, mildew or deteriorate and resist most acids. It will keep good state when it works at 1000ºC for a long time.

Typical Applications :

- Welding & Burning Saftey Blankets & Curtains
- Furnace High Temperature insulation
- Furnace Curtains
- Thermocouple Insulation
- Stress Relieving Insulation
- Flange & valve Covers
- High Temperature Composites
- Fuel line insulation

Physical Properties

Base Fabric	Silica
Temperature Tolerence	1260ºC
Melting Temperature	1650ºC
Abrasion Resistance	Very Good
BaseFabric Certifications	96% and Higher-Silica Content
Weave	Stain 8 harness
Thermal Conductivity W/mk (Btu in.hr/ftºF)	0.3385
Emissivity @ 1093ºC	0.8

Available Sizes For Silica Cloth

Thickness : 0.4mm, 0.8mmWidth : 1000.0mm

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Vermiculite caoted Silica Cloth

High Temperature Woven Vermiculite Coated Silica Cloth

This extreme high temperature, heat and flame resistant fabric is used for equipment protection, welding curtains and blankets. Coating on the surface of silica fabrics can increase mechanical properties and high temperature resistance and can be used at 1800°F / 982°C continuously with molts above 3000°F / 1650. Some of the properties of the fabric include SiO_2 content $\geq$ 96%, Thermal Shrinkage <13 %. This high performance extreme temperature fabric is used in almost all industries for the highest heat protection available.

Applications:

Used primarily for high temperature insulation, thermal protection for several technical branches, blankets, molten metal splash protection, open flame and refractory padding.

1800ºF / 982ºC : Vermiculite coated Silica Fabric High duty Welding Blanket For Molten Melt & Welding Splatter			
Thickness (mm)	**Width (mm)**	**Length (m/roll)**	**Base fabric weight (g/m^2)**
0.4	1000	50	400
0.7	1000	50	600
1.3	1000	50	1220
2.4	1000	50	1370

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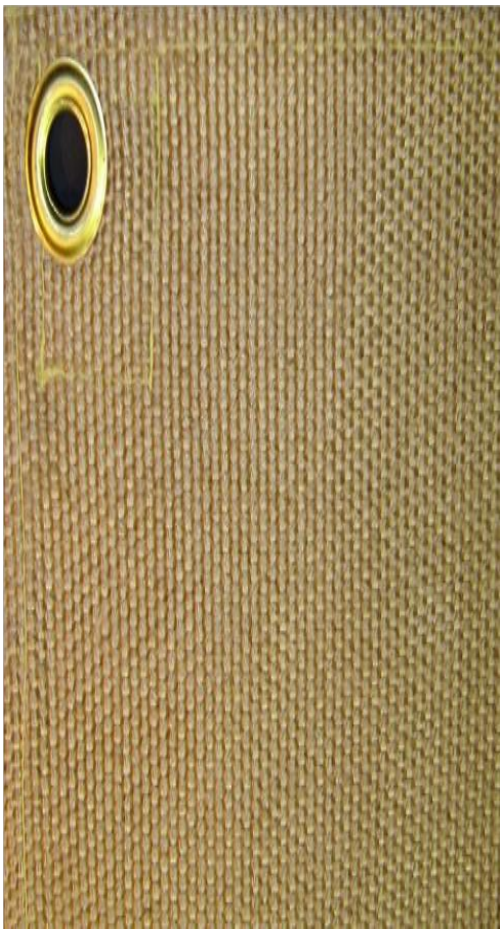
WELDING / FIRE BLAMKET



This high temperature, heat and flame resistant thermal insulating welding Blanket will withstand temperatures of 1500°F / 815°C continuous exposure and is capable of withstanding temperatures of 2000°F / 1093°C for short periods.

The base High Temperature fiberglass fabric is fabricated from high quality type E fiberglass that will not burn. The fabric is then coated with a heat treated dispersant.

This material resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable.

Applications:

Common application include welding spark protection blankets/ curtains, plumbers pads, fire protection, insulation mattress/jacket cover material, high temperature fabric seals.

1500°F / 815°C : Welding Blankets For Molten Melt & Welding Splatter			
Thickness (mm)	Width (mm)	Length (m/roll)	Base fabric weight (g/m^2)
0.75	1000	50	610
1.4	1000	50	1080
2	1000	50	1400
3	1000	50	1900
1.3	1000	50	1000

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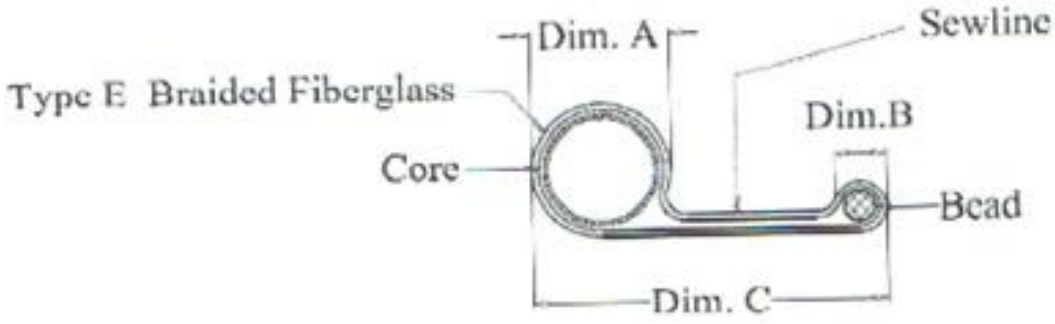
High Temperature Tadpole Seals

High Temperature Tadpole Gaskets
Fiberglas and Stainless Steel Gaskets with a "Tadpole" attachment

Our Tadipole gaskets are designed to provide a high temperature thermal seal in industrial laboratory, maximum continuous operating temperature of 1000ºF / 540ºC. Constructed with Type E fiberglass, the bulb may be filled with various constructions of fiberglass or stainless steel in order to achieve the proper design compression.

Additionally, the bed of the tadpole may also to accommodate various door cobstructions. Textiles engineering coupled with our heat treating and coating expertise, allow for a wide variety of constructions in order to meet unique emvironmental and design constraints.

Gasket Design Detail



Core diameter are typically 1/4"-3/4"
Both the Core and Bead may be filled with the following optional materials or left hollow :

- Type 304 Stainless Steel Kitted wire hollow bulb
- Type 304 Stainless Steel Solid mesh
- Knitted type E fiberglass rope

In addition, the gasket can be provided with a steel knitted jacket or a coating of either PTFE or Silicone rubber, The bead (Diamensions B) may also be eliminated, Our engineering staff will be happy to assist in meeting all your design needs.

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High Temperature Tadpole Tapes

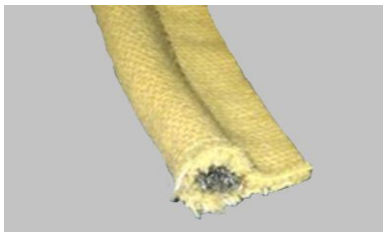
Fiberglass Tadpole Tapes

Tadpole tapes are custom manufactured to a variety of configurations to meet customer needs. They are resilient gasket tapes formed by wrapping heat-resistant cores with specially treated cover materials.

Tadpole Seals are available in a variety.

Silicone Coated Tadpole Seals – Aprx Temp: 649°C
Silicone Coated Fiberglass Cover/Stainless Core Tadpole Seal
Silicone Coated Fiberglass/Hollow Core
Silicone Coated Fiberglass Cover/Galvanized Core Tadpole Seal
Silicone Coated Fiberglass Cover/Aramid Rope Core
Silicone Coated Fiberglass Cover/Fiberglass Core Tadpole Seal

Silica Cloth Tadpole Seals – Aprx Temp: 1093°C
Silica Cloth Cover/Inconel Core Tadpole Seal
Silica Cloth Cover/Ceramic Core Tadpole Seal



Aramid Tadpole Seals – Aprx Temp: 649°C
Aramid Cover/Hollow Core Tadpole Seal
Aramid Cover/Galvanized Core Tadpole Seal
Aramid Cover/Aramid Rope Core Tadpole Seal
Aramid Cover/Fiberglass Core Tadpole Seal
Aramid Cover/Stainless Core Tadpole Seals

PTFE Coated Tadpole Seals – Aprx Temp: 980°C
PTFE Coated Fiberglass Cover/Hollow Core Tadpole Seal
PTFE Coated Fiberglass Cover/Inconel Core Tadpole Seal
PTFE Coated Fiberglass/Galvanized Core Tadpole Seal
PTFE Coated Fiberglass/Aramid Rope Core Tadpole Seal
PTFE Coated Fiberglass/Fiberglass Core Tadpole Seal
PTFE Coated Fiberglass/Stainless Core Tadpole Seal

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Fire Sleeve / Pyro Jacket RL - 936

High Grade Silicone Rubber Bonded to Fiberglass Sleeve

REX Silicone Sleeve & Tape is desined to protect hoses, wires and cables from the hazards of high heat and occasional flame. It protects continuously to 260ºC / 500ºF and will withstand a mollen splash at 1200ºC / 2200º F made of knitted fiberglass yarns in a flexible yarns in a flexible substrate, it is then caoted with a high grade silicone rubber.

Resistant to hydraulic fluirs, lubricating oils and fuels, REX Silicon Sleeve & Tape insulates against energy loss in piping and hosing, protects employees from burns and allows "bunding" of wires, hoses and cables.

The Braided version allows qualified hose assemblies to pass AS1055D testing under satrted flow and pressure conditions.

Available Sizes (D): 1/4:" (6mm) through 5" (127mm)

PHYSICAL PROPERTIES				
Fiberglass Type E		***Silicone Rubber***		
Breaking Tenacity	1.71 gf/TEX Std abd Wet	Durometer, Shore A	Initial	35
Tensile Strength	450,000 - 500,000 psi		Aged240hrs @ 200ºC	45
Breaking Elongation	4.81% Std and Wet	Tensile Strength	Initial	875
Elastic Recovery	100%		Aged240hrs @ 200ºC	800
Average Stiffness	2824.3cn/TEX	Elongation%	Initial	500
Effect of Heat	Will not burn Retains 75 % tensile at 343ºC Softens at 732-877ºC Melts at11211 - 1182ºC		Aged240hrs @ 200ºC	200
		Flammability, UL94		V-1
Effects of Acids and Alkalis	Resistance to acids is fair Good resistance to most alkalis	Dielectric Strength (Volts/mil)		485

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Fire Sleeve with Velcro

High Grade Silicone Rubber Bonded to Woven Fiberglass Matting and Secured with a hook & Loop Closure.

REX Silicone Shield with a Hook and Loop Closure is designed to protect hoses, wires and cables from the hazards of high heat and occasional flame. It protects continuously to 260 ºC / 500 º F and will withstand a molten splash at 1200 ºC / 2200 º F. Made of woven fiberglass yarns in a flexible substrate, its then caoted with one side high grade silicone rubber.

Its unique Hook & Loop Closure allows application in situ without the need to dismantle and reconnect and reconnect fittings and termiantes. Repair of existing installations is performed with a minimum of labour and downtime.
Resistant to hydraulic fluids, lobricating oils and fuels, REX Silicon with a minimum average weight per square yard of 96 ounces, insulates against energy loss in piping and hosing, protects employees from burns and allows shielding of induction furnace from splashes of molten metal.

PHYSICAL PROPERTIES	
Coating	High Grade Flame Resistant Silicone Rubber
Weight, OZ/Sq yd, nominal	96
Thickness, inches, nominal	0.125
Flame Resistance	Excellent
Oils and Hydrocarbon Resistance	Mill -C-20696, Sec 4.2.4
Abrasion Resistance	Excellent (Silicone side)
Temprature Rating :	
Coating : Base Fabric	-65º F to 500ºF continuous, transient exposure to 600º F 1000ºF/540ºC continuous
Base Fabric can be certified to :	MIL - Y - 1140 MI - 1- 24244
Finished Product can be certified to :	MIL - 1-24244 ASTM E 84.84A ASTM E162

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High Temperature Shield

High Grade Silicone Rubber Bonded to Woven Fiberglass Matting

REX Silicone Shield is designed to protect hoses, wires and cables from the hazards of high heat and occasional flame. It protects continuously to 260 ºC / 500 º F and will withstand a molten splash at 1200 ºC / 2200 º F. Made of woven fiberglass yarns in a flexible substrate, its then caoted with high grade silicone rubber.

Resistant to hydraulic fluids, lubricating oils and fuels, REX Silicon with a minimum average weight per square yard of 96 ounces, insulates against energy loss in piping and hosing, protects employees from burns and allows shielding of induction furnace from splashes of molten metal.

With a minimum average per square yard of 96 ounces, it is availalble in 40 inch wide, cut to length rolls.

PHYSICAL PROPERTIES	
Coating	High Grade Flame Resistant Silicone Rubber
Weight, OZ/Sq yd, nominal	96
Thickness, inches, nominal	0.125
Flame Resistance	Excellent
Oils and Hydrocarbon Resistance	Mill -C-20696, Sec 4.2.4
Abrasion Resistance	Excellent (Silicone side)
Temprature Rating :	
Coating : Base Fabric	-65º F to 500ºF continuous, transient exposure to 600º F 1000ºF/540ºC continuous
Base Fabric can be certified to :	MIL - Y - 1140 MI - 1- 24244
Finished Product can be certified to :	MIL - 1-24244 ASTM E 84.84A ASTM E162

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High Temp Silicone Shield

High Grade Silicone Rubber Bonded to Fiberglass Tape

REX Silicone Tape is designed to protect hoses, wires and cables from the hazards of high heat and occasional flame. It protects continuously to 260 ºC / 500 º F and will withstand a molten splash at 1200 ºC / 2200 º F. Made of Knitted fiberglass yarns in a flexible substrate, its then caoted with high grade silicone rubber.

Resistant to hydraulic fluids, lubricating oils and fuels, REX Silicone Tape insulates against energy loss in piping and hosing protects employees from burns and allows "bunduling" of wires, hoses and cables.

Available sizes (ID) : 1" (25mm) through 5" (127mm)

PHYSICAL PROPERTIES				
Fiberglass Type E		***Silicone Rubber***		
Breaking Tenacity	1.71 gf/TEX Std and Wet	Durometer, Shore A	Initial	35
Tensile Strength	450,000 - 500,000 psi		Aged 240hrs @ 200ºC	45
Breaking Elongation	4.81% Std and Wet	Tensile Strength	Initial	875
Elastic Recovery	100%		Aged 240hrs @ 200ºC	800
Average Stiffness	2824.3cn/TEX	Elongation%	Initial	500
Effect of Heat	Will not burn Retains 75 % tensile at 343ºC Softens at 732-877ºC Melts at11211 - 1182ºC		Aged 240hrs @ 200ºC	200
		Flammability, UL94		V-1
		Dielectric Strength (Volts/mil)		485
Effects of Acids and Alkalis	Resistance to acids is fair Good resistance to most alkalis			

Self Fusing Silicone Tape

PERFORMANCE ADVANTAGES

- Self-Fusing
- Air & Moisture Tight Seal
- Prevents Corrosion
- No Adhesive, Bonds Only to itself
- Resists Weathering
- Conforms to Irregular Shapes
- Elastic Memory Seal
- Cures in 24 Hours at Room Temperature

REX self-fusing silicone tape is unique adhesive free product that quickly fuses to itself to create a moisture and corrosion resistant continuous seal for electrical insulation pipe and hose repair, or anywhere a quick and residue free wrap is needed.

REX Silicone Tape creates an airtight/watertight seal around even irregularly shaped applications and the high insulation values make it useful in repairing cracked or damaged insulations.

They bond irreversiblity to provide insulative barrier that is resistant to moisture oxygen, ozone and corona over a wide temperature range (-54ºC to +260ºC).

Ideal on wires or hoses, as a residue free solution to coil extension cords, ropes, and cables and for waterproof, heat and chemical resistant wrap for wiring hamesses cords, ropes, and splices

PERFORMANCE ADVANTAGES

Thermal Stability	: 180ºC
Temperature Range	: -54ºC to +260ºC
Volume Resistivity	: 1013 ohm-cm min.
Self Adhesion	: 2 p.p.i min. (3.5 N/cm)
Hardness	: 50±10 Shore A
Moisture Absorption	: 0.9% (46 hrs in H20 @ 30ºC)

Graphic Sheets & Rings

REX is renowned in this for providing all kinds of pure graphic products of world class quality.

These are manufactured from an extensive range of existing tooling provided to customer specific requirement supplied on short lead times. They offer maximum efficiency and durability and find applications in automobile, agriculture, textile and several other industries.

Graphite Sheets

High quality graphite sheets have excellent resistance to chemical, air, water, oil, fuel, etc.
They have a built - in anti stick property hence using the product solves the problem of adhesion to the flanges.

- ✓***Graphic sheet with SS Wire Reinforcements***
- ✓***Graphic Sheet with SS 304/SS 316 Tanged Reinforcements***
- ✓***Graphic Sheet with Tin Reinforcements***

Die Moulded Graphic Rings 	Densities -1.1 g /cc - 1.9 g /cc Carbon content - 99% -99.85% Chloride cont : 50 ppm max Sulphur content : 1300 ppm Fluoride content : < 30 ppm Ash content : 0.5% max
Graphite Strips & Rolls 	Thickness 0.1~0.8mm Length content : 30~60m Density : 0.7~1.0 The tensile Strength : ≥ 4.2mpa Sulphur content : ≤1000PPM Chlorine Content : ≤50PPM

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Graphic Gasket

REX Graphite Rings are maufatcured normally in a range of densities from 1.2 g/cc to 1.8 g/cc with carbon content ranging from 99% to 99.85% Corrosion and Oxidaton resistant grades and PTFE impregnated grades also supplied, Flexible and highly impermeable to gases and liquids. Metal tipped graphite molded rings to cusomer drawings are available for high pressure/anti extrusion applications. These rings have high thermal conductivity and don't contain any Adhesive or Binders and have self lubricating properties and is therefore virtually maintenance free.

Standard Carbon Content	99%
Density Range	1.2 g/cc to 1.8 g/cc
Temperature	-200ºC to + 2,800ºC in inert or reducing conditions -200ºC to + 500ºC in oxidizing conditions
Tensile strength	ASTM F152 > 5.2M pa
Compressibility	47%
Rercovery	ASTM F36/A >9%
Chloride content	50ppm maximum
Sulphur content	1300 ppm
Fluoride content	< 30 ppm
Ash content	< 1.0 %

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Rubber Products

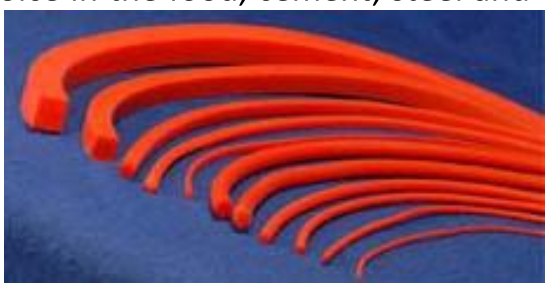
Rubber Products

Rubber sheets, gaskets, moulded parts of any dimensions and shape can be supplied.

NBR, SBR, Neoprene, EPDM, Silicon, Viton rubber are different grades of rubber used.
REX Rubber products have excellent heat resistance and are approved for use in food applications.

This material resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable.

Silicone rubber gaskets & cords also have excellent anti-stick properties and good compressibility making them a popular gasket choice in the food, cement, steel and pharmaceutical industries..



Shore hardness: 60 ± 5° (Standard)

Availability

Colour : Black, White, translucent and red as standard.
Thickness (mm) : 0.5, 1, 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10, 12

Table of Contents

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PRODUCT LIST

GLAND PACKING

1. PTFE fiber packing of 100% virgin fibers - RI 9
2. Pure Graphite Packing RI 18
3. GFO (Gore PTFE Style Graphite packing) - RI 45
4. PTFE Graphite gland packing - RI 99
5. Pure Aramid fibre packing - RI 27
6. PTFE fiber packing with synthetic Rflon Lubricant - RI-10
7. Carbonaceous Aramid fiber Packing- RI 6003
8. Synthetic PTFE fiber packing - RI 11
9. PTFE Aramid Packing - RI 81
10. Aramid + GFO® fibre Packing - RI 63
11. Pure carbon with Graphite Packing - RI 612
12. Ultra Pure Graphite fiber Packing - RI 650

NON ASBESTOS GASKET / JOINTING SHEETS- METALLIC & NON METALIC

1. Steam Jointing Sheet - General Grade - RI 900
2. Steam Jointing Sheet - High Grade - RI 953
3. Steam Jointing Sheet - High Pressure - RI 957
4. High Quality Jointing Sheet - RI 962
5. Super High Quality Jointing Sheet - RI 965
6. Oil Jointing Sheet - RI 967
7. Special Oil Jointing Sheet - RI 971
8. Acid Jointing Sheet - RI 980

FIBERGLASS (E-GLASS) PRODUCTS

1. Fiber Glass Rope - Braided / Twisted
2. Fiberglass Woven Tapes
3. Fiberglass Woven Cloth
4. Vermiculite coated Fiberglass Cloth
5. Fiberglass Sleeve

CERAMIC PRODUCT

1. Ceramic Woven Tapes
2. Ceramic Woven Cloth
3. Vermiculite coated Ceramic Woven Cloth
4. Ceramic Rope - Braided / Twisted
5. Ceramic Fiber Sleeve
6. Refractory Ceramic Fiber (RCF) Paper

SILICA PRODUCT

1. Silica Woven Tapes
2. Silica Woven Cloth
3. Vermiculite Coated Silica Woven Cloth

FIRE RESISTANT PRODUCT

1. Fire Resistant Sleeve - Pyro Jacket
2. Fire Resistant Sleeve with Velcro
3. Fire Resistant Matting
4. Fire Resistant Tape
5. Self Fusing Silicone Tape

TADPOLE GASKET & TAPES

1. Silica Cloth Tadpole Seals
2. Aramid Tadpole Seals
3. PTFE Coated Tadpole Seals
4. Fire Resistant Tadpole Seals
5. Ceramic Coated Tadpole seals
6. Knitted / Woven / Graphited Tadpole Tapes

GRAPHITE PRODUCTS

1. Pure Graphite Sheets
2. Graphite Sheet with SS Wire Reinforcements
3. Tanged Graphite Sheet With SS 304 / SS 316 Reinforcements
4. Graphite Sheet with Tin Reinforcements
5. Graphite Rings
6. Graphite Gasket

FABRIC EXPANSION JOINTS / BELLOWS NON-METALLIC

INSULATION JACKETS- REMOVABLE AND REUSABLE

WELDING BLANKET / FIRE BLANKET

SILICONE RUBBER SHEET / GASKETS / CORDS

Please email us for detailed catalogues on any of the above mentioned products

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ISO Certificates

British
Certifications Inc.

This is to Certify that the Managemen System of:

REX SEALING & PACKING INDUSTRIES PVT. LTD.
Plot No : M-44, MIDC Industrial Area. Taloja Tal -Panvel.
Dist - Raigad. Pin Code - 410 208, Maharashtra (India)

has been assessed and found to comply with the requirement of

ISO 9001 : 2008

The Quality Management System is Applicable to

Manufactures of Compressed Fibre Joining Sheets, Gaskets, Gland Packings, Ropes, Fabric Expansion Joints (Bellows), Insulation Pads, Insulation Jackets, High Temperature Textiles, Ceramic Fibre Products & Degreasing Chemicals

Certificate No. : -------- *Date of Certication Audit : 05.10.2012*

Date of Issuue : 16.10.2010 *Date of Expiry : 04.10.2015*

Ist Surveillance Audit : September -2013
2nd Surveillance Audit : September -2014

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Visit for vertification : www.jas-anz.org/register

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Registered office

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