

REKSON

RUBBER & POLYMER TECHNOLOGIES

"Driven By Technology"



www.reksonpolymer.com

About US

Rekson Rubber & Polymer Technologies - "A MSME Registered company"

An ISO 9001-2015 Certified Company is manufacturer and exporter of Food / Pharma / Medical Grade rubbers products.



We believe in Superior Quality, Fastest Developement, Quick Delivery, Best service & Competitive Price.

Rekson Rubber & Polymer Technologies is the one-stop-shop for wide assortments of silicone & viton rubber products including Silicone Tubes, Hoses, FBD Inflatable Gaskets, O-rings, Molded Rubber Gaskets, Extruded Rubber Gaskets, Sponge Gaskets, Rubber Door Gaskets, Tri-clover Gaskets, Autoclave Gasket etc.,

We have successfully developed several Pharma Hoses for High Pressure, Vacuum, Chemical And Antistatic Applications. Besides the Silicone Rubber Products, the company also manufactures a wide range of Products in Viton, EPDM, Neoprene, Nitrile, Hypalon also SBR

We present reliable silicone products which all are widely used in different industries including petrochemicals, medical sectors, pharma, chemical etc. Our superlative products are widely used in control panel, switchgears, instrumentation, air conditioning etc. We keenly observe the superior quality of our products as per US FDA 21 CFR 177.2600 & USP CLASS VI regulations, ensuring optimum quality production.

Our Strength

- ISO 9001:2015 Certified.
- A dedicated strength Qualified Professional, Qualified Rubber Technologists & Engineers.
- Capable to Develop Tailor Made Products as per Customers Requirements (As Per Samples Or Drawings.)
- World class infrastructure spread over 5000 Sq.ft. manufacturing facility
- World class technology for manufacture of inflatable Gaskets.
- Proposed 10000 Sq. ft. Dedicated Manufacturing Facility

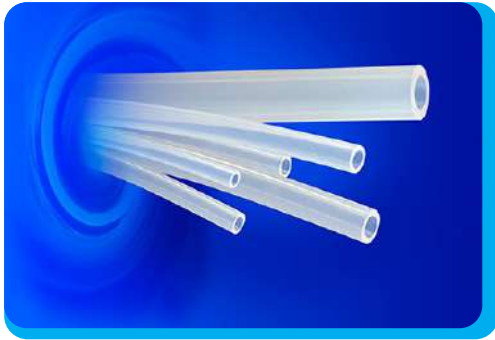
Product Range

- ❖ Silicone Transparent Tubes (Peroxide & Platinum cured)
- ❖ Silicone Transparent Braided Hoses (Peroxide & Platinum cured)
- ❖ Platinum Cured Silicone Hose Reinforced with Polyester Braiding and SS 316L Helical Wire
- ❖ Platinum Cured Silicone Hose Reinforced with SS 316L Helical Wire
- ❖ Platinum Cured Silicone Hose Reinforced with 2 to 3 Ply of Polyester fabric and SS 316L Helical Wire
- ❖ Silicone Autoclave Gaskets
- ❖ FBD Inflatable Gaskets for Fluid Bed Dryer
- ❖ Tri Clover Gaskets (Silicone, Viton, EPDM, NBR)
- ❖ Silicone, NBR, EPDM, Neoprene & Viton Sheets
- ❖ 'O'-rings (Silicone, Viton, EPDM, Nitrile & Neoprene)
- ❖ Silicone Solid Cords (Round & Square type)
- ❖ Silicone sponge cords & gaskets
- ❖ Silicone Extruded Door Gaskets
- ❖ FEP Encapsulated O-Rings
- ❖ Butterfly Valve Gaskets
- ❖ Isolator Gaskets
- ❖ Lypholization door gaskets
- ❖ Viton Cords & Tubes
- ❖ Silicone Vacuum Bellows.
- ❖ Silicone Bellows
- ❖ Rubber Bellows & Expansion Joint
- ❖ Silicone TC Diaphragms & Square Diaphragms for Nov Aseptic Membrane Valves ("Zero dead-leg" valve)
- ❖ Silicone sleeve for Corona Treater application
- ❖ Validation gaskets & Sensor TC Gaskets

Polymer Range

- ❖ Platinum Cured Silicone
- ❖ Peroxide Cured Silicone
- ❖ Silver Filled Silicone
- ❖ Fluoro-silicone
- ❖ Conductive Silicone
- ❖ Viton® (FKM)
- ❖ EPDM
- ❖ Neoprene
- ❖ Nitrile
- ❖ Thermoplastic Elastomer
- ❖ PTFE

Platinum Cured Silicone Transparent Tube



RekPure is Platinum Cured Silicone Tubing designed for peristaltic pump and fluid transfer in Pharmaceutical and Biotech applications. **RekPure** is transparent silicone tubing known for its ultra smooth bore to prevent any particle entrapment. It is especially designed to comply with requirements of critical Food and Pharmaceutical standards of regulatory markets.

Characteristics

- Excellent transparency with no odor and taste.
- Extractable study available upon request
- Excellent Biocompatibility due to inertness to tissues and cells.
- Sterilizable by using different techniques like Autoclaving, Ethylene Oxide, Gamma Radiation.
- Available with FDA compliant color coding for ease of identification.
- Custom dimension, hardness & length size available



Peroxide Cured Silicone Transparent Tube

Peroxide Grade silicone Tubing is designed for General, non critical applications. **RekPure** is translucent silicone tubing having good flexibility and resiliency. It is suitable for peristaltic pump applications for non critical fluid transfer.



Characteristics

- Manufactured By using Quality Peroxide Grade Silicone Rubber
- Manufactured & Packaged in dust free Environment
- Odorless and Tasteless
- Good flexibility and flex crack resistance
- Conforming FDA 21. CFR. 177.2600
- Sterilizable by Autoclaving, ETO, and Gamma rays.
- Available with FDA compliant color coding for ease of identification



Platinum Cured Silicone Transparent Braided Hose



RekFlex is Platinum cured Silicone hose reinforced with Polyester braiding. It has excellent flexibility for pressurized fluid transfer application in pharmaceutical and Biotech Industries. We are catering these products to all pharma and biotech companies in India and Overseas. **RekFlex** hose is manufactured under stringent quality parameters to have greater flexibility and minimum bend radius.

Application	Certification	Key Features
<ul style="list-style-type: none"> Pharmaceutical and biotech material transfer Critical liquid transfer Load cell and cell cultures Analytical lab Food and beverages Biotechnology 	<ul style="list-style-type: none"> Conforms to US FDA 21 CFR 177.2600 Food grade Standard Conforms to USP Class VI Conforms to ISO 10993-1 ROHS certified, free of restricted heavy metals Free of Phthalate/ Bisphenol/Volatile Plasticizer. TSE/BSE Certification (free of animal derived material) Complete Validation package available upon request 	<ul style="list-style-type: none"> Excellent flexibility Manufactured from low volatile grade silicone resin Imparts no taste and odor Lot traceable Temp Range :- -80 °C TO 180°C Available with SS316 L Tri-clover end Fittings in required length Colored outer layer available Custom color coding available Sterilizable by Autoclave, Ethylene oxide gas & gamma Radiation

Sr. No.	Size In MM (ID x OD)	Size in Inch (ID)	Max Working Pressure IN (Bar) At 27°C	Min Burst Pressure IN (Bar) At 27°C	Min Bend Radius In (MM)	Vacuum Hg 27°C In (MM)
1	6x13	1/4"	10.0	30	50	N/A
2	9x16	11/32"	9.0	27	50	N/A
3	12x20	1/2"	7.0	21	80	N/A
4	16x24	5/8"	7.0	21	90	N/A
5	19x27	3/4"	6.0	18	110	N/A
6	25x35	1"	4.0	12	116	N/A
7	32x42	1 1/4"	3.0	9	200	N/A
8	37x47	1 1/2"	2.5	8	C/P	N/A
9	50x62	2"	2.0	6	C/P	N/A
10	75x89	3"	2.0	5	C/P	N/A

Also Available In

Peroxide Cured Silicone Transparent Braided Hose



Platinum Cured Silicone Hose Reinforced with Polyester Braiding and SS 316L Helical Wire



RekVac is Platinum cured Silicone hose reinforced with SS 316L Helical wire. It has better transparency to visualize flow and kink resistance. **RekVac** is designed for material transfer application under high vacuum in pharmaceutical industries. The product is more superior compare to **RekFlex** in high pressure & high vacuum rating applications. It is also used for antistatic application.

Application	Certification	Key Features
<ul style="list-style-type: none"> Pharmaceutical Processing Powder & fluid transfer High Vacuum applications Food Processing Load cell application Bulk transfer Biotechnology 	<ul style="list-style-type: none"> Conforms to US FDA 21 CFR 177.2600 Food grade Standard Conforms to USP Class VI Conforms to ISO 10993-1 ROHS certified, free of restricted heavy metals Free of Phthalate/ Bisphenol/Volatile Plasticizer. TSE/BSE Certification (free of animal derived material) Complete Validation package available upon request 	<ul style="list-style-type: none"> High burst pressure resistance compare to RekFlex Designed for high vacuum rating applications Having Antistatic properties to dissipate static electrical charge makes it suitable for highly volatile flammable fluid transfer Imparts no taste and odor Lot traceable Temp Range :- -80 °C TO 210°C Available with SS316 L Tri-cloverend Sterilizable by Autoclave, Ethylene oxide gas & gamma Radiation

Sr. No.	Size In MM (ID x OD)	Size in Inch (ID)	Max Working Pressure IN (Bar) At 27°C	Min Burst Pressure IN (Bar) At 27°C	Min Bend Radius In (MM)	Vacuum Hg ^{27°C} In (MM)
1	6x13	1/4"	12.0	48.0	50	760
2	9x16	11/32"	11.5	48.0	60	760
3	12x20	1/2"	10.5	45.0	70	760
4	16x24	5/8"	10.0	35.0	80	760
5	19x27	3/4"	8.5	30.0	90	760
6	25x35	1"	8.5	30.0	125	760
7	32x42	1 1/4"	8.0	27.0	140	600
8	37x47	1 1/2"	7.5	25.0	170	600
9	50x62	2"	6.0	22.0	240	550
10	64x76	2 1/2"	4.0	20.0	C/P	500
11	75x87	3"	3.0	15.0	C/P	400
12	100x112	4"	2.0	10.0	C/P	400

Also Available In

Peroxide Cured Silicone Hose Reinforced with SS 316L Helical Wire



Platinum Cured Silicone Hose Reinforced with Polyester Braiding and SS 316L Helical Wire



RekTor is Platinum cured Silicone hose reinforced with SS 316L Helical wire and polyester braiding having better flexibility with high pressure resistance. **RekTor** is having high burst pressure rating along with high vacuum resistance compare to **RekVac**. The product is suitable in pressurized fluid transfer application.

Application	Certification	Key Features
<ul style="list-style-type: none"> Pharmaceutical processing Powder and fluid transfer High vacuum pump applications Food processing Load cell application Biotechnology Bulk transfer Fermentations and bioreactors 	<ul style="list-style-type: none"> Conforms to US FDA 21 CFR 177.2600 Food Grade Standard Conforms to USP Class VI Conforms to ISO 10993-1 ROHS certified, free of restricted heavy metals Free of Phthalate/ Bisphenol/Volatile Plasticizer. Animal Origin Certification (free of animal derived material) Complete Validation Package available upon request 	<ul style="list-style-type: none"> Having high burst pressure resistance compare to RekFlex & RekVac Designed for high vacuum rating applications Having Antistatic properties to dissipate static electrical charge makes it suitable for highly volatile flammable fluid transfer Imparts no taste and odor Lot traceable Temp Range :- -80 °C TO 180°C Available with SS316 L Tri-clover end Sterilizable by Autoclave, Ethylene oxide gas & gamma Radiation

Sr. No.	Size In MM (ID x OD)	Size in Inch (ID)	Max Working Pressure IN (Bar) At 27°C	Min Burst Pressure IN (Bar) At 27°C	Min Bend Radius In (MM)	Vacuum Hg 27°C In (MM)
1	6x13	1/4"	12.5	48.5	60	760
2	9x16	11/32"	12.0	48.0	70	760
3	12x20	1/2"	11.0	41.5	70	760
4	16x24	5/8"	10.5	36.0	85	760
5	19x27	3/4"	9.0	35.0	95	760
6	25x35	1"	8.5	35.0	140	760
7	32x42	1 1/4"	8.5	35.0	150	600
8	37x47	1 1/2"	7.5	32.0	175	600
9	50x62	2"	6.5	30.0	245	550
10	64x76	2 1/2"	4.0	20.0	C/P	500

Also Available In

Peroxide Cured Silicone Hose Reinforced with Polyester Braiding and SS 316L Helical Wire



Platinum Cured Silicone Hose Reinforced with 2-3 layers of polyester fabric wrapping and SS 316L Helical Wire



RekWrap is Platinum cured Silicone hose reinforced with SS 316L Helical wire and 2-3 layers of polyester fabric wrapping. **RekWrap** is having multiple layers of high quality polyester fabric to enhance burst Pressure rating. The product is suitable for high pressurized Steam transfer application in pharmaceutical and biotech.

Application	Certification	Key Features
<ul style="list-style-type: none"> Pharmaceutical processing Food processing Load cell application CIP,WFI transfer application Bulk powder transfer Fermentations and bioreactors High pressurized Steam transfer application 	<ul style="list-style-type: none"> Conforms to US FDA 21 CFR 177.2600 Food grade Standard Conforms to USP Class VI Conforms to ISO 10993-1 ROHS certified, free of restricted heavy metals Free of Phthalate/ Bisphenol/Volatile Plasticizer. Animal Origin Certification (free of animal derived material) Complete Validation package available upon request 	<ul style="list-style-type: none"> Having high pressure rating ensures safe material transfer handling process Designed for high vacuum rating applications Excellent flexibility & kink resistance Imparts no taste and odor Lot traceable Temp Range :- -80 °C TO 180°C Available with SS316 L Tri-cloverend Sterilizable by Autoclave, Ethylene oxide gas & gamma Radiation

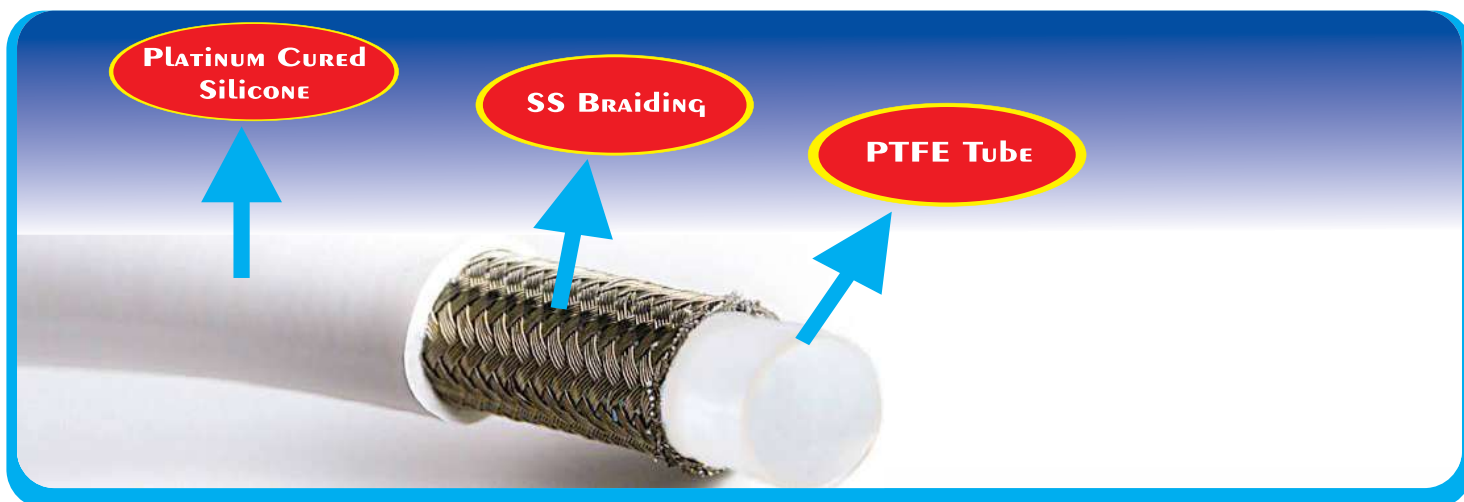
Sr. No.	Size In MM (ID x OD)	Size in Inch (ID)	Max Working Pressure IN (Bar) At 27°C	Min Burst Pressure IN (Bar) At 27°C	Min Bend Radius In (MM)	Vacuum Hg 27°C In (MM)
1	6x13	1/4"	18.5	38	60	760
2	9x16	11/32"	18.0	38	70	760
3	12x20	1/2"	16.0	38	80	760
4	16x24	5/8"	14.0	34	90	760
5	19x27	3/4"	12.0	34	100	760
6	25x35	1"	10.5	34	120	760
7	32x42	1 1/4"	10.0	32	180	500
8	37x47	1 1/2"	10.0	32	220	400
9	50x62	2"	8.0	30	300	300
10	64x76	2 1/2"	6.0	24	350	C/P
11	75x87	3"	5.0	15	C/P	C/P
12	100x112	4"	5.0	15	C/P	C/P

Also Available In

Peroxide Cured Silicone Hose Reinforced with 2 to 3 Ply of Polyester fabric and SS 316L Helical Wire



PTFE Lined with SS 304 Braiding, Covered with Platinum Cured Silicone



RekTef is PTFE tubing covered with SS 304 braid reinforcement having outer layer of Platinum grade silicone. **RekTef** is having capacity to withstand high pressure along with greater chemical resistance. The product is having ultra smooth bore which enhances superior flow properties & least adhesion to particulate. The outer layer of Silicone cover acts as insulation to high temperature and keeps outer surfaces dust free.

Application	Certification	Key Features
<ul style="list-style-type: none"> Pharmaceutical processing Food processing High pressure fluid transfer HighTemp.fluid transfer Cosmetic Industries 	<ul style="list-style-type: none"> Conforms to US FDA 21 CFR 177.2600 Food grade Standard Conforms to USP Class VI Conforms to ISO 10993-1 ROHS certified, free of restricted heavy metals Free of Phthalate/ Bisphenol/ Volatile Plasticizer. Animal Origin Certification (free of animal derived material) USFDA Validation package available upon request 	<ul style="list-style-type: none"> Excellent Chemical Resistance Permits easy cleaning Smooth silicone cover provides safety to operator while handling high temperature. Prevents operator from injury due to "Frayed" SS Braids. Lot traceable Temp Range :- -80 °C TO 230°C Available with SS316 L Tri-clover end Sterilizable by Autoclave

Sr. No.	Size In MM (ID x OD)	Size in Inch (ID)	Max Working Pressure IN (Bar) At 27°C	Min Burst Pressure IN (Bar) At 27°C	Min Bend Radius In (MM)	Vacuum Hg ^{27°C} In (MM)
1	6x13	1/4"	125	375	80	NA
2	9x16	11/32"	100	300	130	NA
3	12x20	1/2"	90	270	170	NA
4	16x24	5/8"	80	240	200	NA
5	19x27	3/4"	50	150	220	NA
6	25x35	1"	40	120	350	NA
7	32x42	1 1/4"	35	105	400	NA
8	37x47	1 1/2"	35	105	C/P	NA
9	50x62	2"	30	90	C/P	NA

Also Available In

PTFE Lined with SS 304 Braiding, Covered with Peroxide Cured Silicone

Silicone Inflatable Gaskets/Tube

Silicone Inflatable Gaskets/Tube is made from High quality Silicone Rubber conforms to FDA 21 CFR 177.2600 for Food grade criteria suitable for Various sealing applications. These inflatable seals starts inflation range from 5mm to 20mm when 2-4 kg./cm² pressure is applied after installation in door.

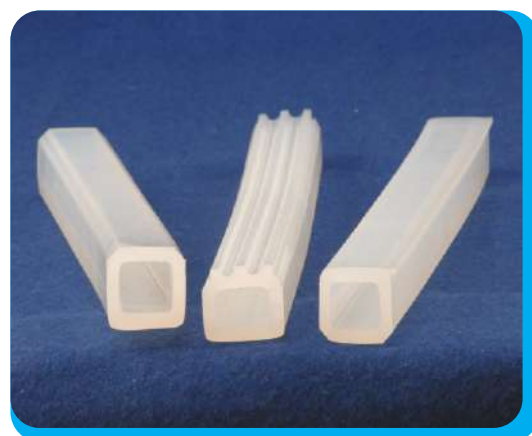
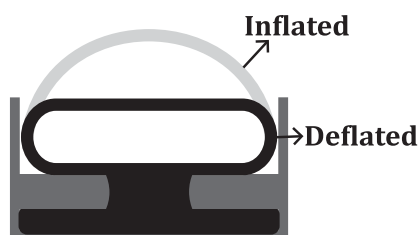
Application's

- Fluid Bed Dryers/Processors/Coaters
- Autoclaves, Sterilizers,
- Isolators, Glove Box,
- Lyophilizers / Freeze Dryer
- Furnaces
- Rapid Mixer Granulators
- Nuclear Door Seals
- Robotics & Fluid Sealing
- Airlock Door Seals
- Powder & Bulk Solid handling Machineries
- Electronic/Wafer Semiconductor Processing



Industries we supply:

- Pharmaceuticals
- Biotech
- Food Process
- Engineering
- Defence
- Aerospace



Speciality:

- Fastest Delivery
- Customization
- Diameter Range starts from 100mm
- Ultimate Service

Certificates Accompanies:

- Food Grade Certificate (Conforms to FDA 21 CFR)
- Laboratory Test Report
- TSE/BSE Free Certificate
- Phthalate Free Certificate



Some of Popular Inflatable Sections



'O'- Rings - (Silicone/Viton/Epdm/Neoprene/Nitrile)



Rekson Rubber & Polymer Technologies -, offers it's wide range of O-rings from 1.0 mm ID to 900 mm ID from its 5000 single piece moulds. **Rekson's** O-Rings are manufactured on a hydraulic press with tightly controlled temperature, Pressure and time which ensures accurate dimensions, glossy finish & invisible flash line, properly post cured and absolutely defect free articles.

These O-rings are also manufactured as per the dimensional tolerance specified by the customers and available from Nitrile, Neoprene, Silicone, EPDM, Hapalon, NBR, Viton & Butyl Rubber or in any other rubber as per customer's specification.

We also manufacture Viton O-Rings from 1mm ID - 5000 mm ID or in any sizes through step moulding process which gives joint less O-Rings of dimensionally accurate & excellent workmanship and finish.

Application's

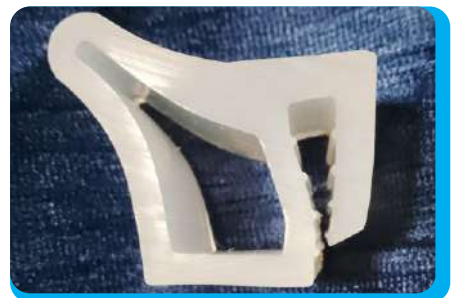
- Filter Housings
- Membrane Filter Holder
- Heat Exchangers
- RMG Discharge Port
- Pneumatic Cylinders
- Spray Guns
- Other sealing applications.



Sensor TC/Validation Port TC Gasket

Validation And Sensor TC Gaskets are used for connecting two pipes in food & drug plant. Tri-Clover Gasket is available in Food Grade Silicon, Food Grade Viton®, Food Grade EPDM, etc. It can be supply as per sizes upon request.





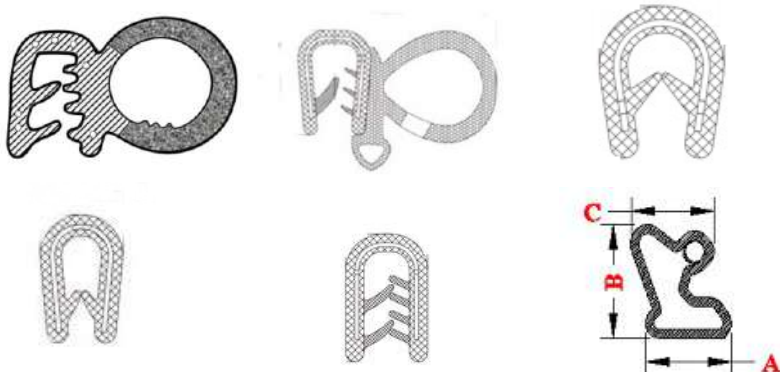
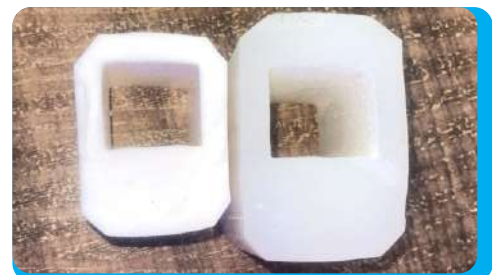
Silicone Extruded Gasket, Profiles & Door Seals



Rekson Rubber & Polymer Technologies offers a wide range of Silicone Extruded Door Gaskets in more than 1000 different shapes and designs. (In round and square types). **Rekson's** Extruded Door Gaskets (Autoclavable) Gaskets are made from Food-Pharma grade Pure Silicone Rubber which can easily withstands a temperature range of -80°C to $+250^{\circ}\text{C}$. **Rekson's** Extruded Gaskets are available in square cross sections like 6mm x 6 mm, 8mm x 8mm, 10mm x 10mm, 20mm x 20mm, 25mm x 25mm etc. with OR without hollow. These Gaskets are available in Red, White, Orange or any colour as per customer's requirement. We also undertake small and bulk order for these gaskets from 25 Mtrs to 25000 Mtrs. **Rekson's** Extruded gaskets are manufactured from fully automatic Microwave continuous curing system which ensures accurate dimensional properties, glossy surface finishes and aesthetically beautiful colours.

Application's

- Clean Room Doors
- Telecom Shelters
- Air Tight Door Seal Application
- Bakery Ovens
- Freeze Doors
- Pharmaceuticals Processing Machine's Door
- Autoclaves, Isolators, & Dry Heat Sterilizers



MOLDED GASKET Silicone, Viton, NBR, Neoprene & EPDM



Molded Gaskets are widely used in various industries to fill space between two objects and hence prevent the leakage while under compression. These are providing high pressure sealing under static condition. All Gaskets are available in variety of custom shapes and sizes and can be fabricated from customer specified materials. Typically they are used to prevent leakage between two objects while under

compression. Our proprietary compounds are designed to perform in a wide range of applications with varying chemical exposures, pressures and temperatures. These materials used meet the FDA standards for non toxicity, and range from Neoprene, Nitrile, Silicone, EPDM, Viton, Hypalon etc, to PTFE.



Tri - Clover Gasket Silicone, Viton, NBR, Neoprene & EPDM

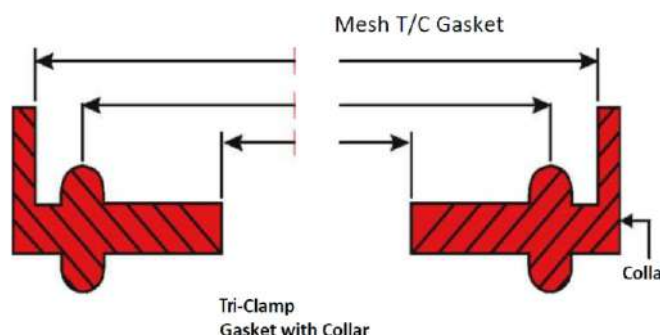
- Made from platinum Cured Silicone Rubber.
- Conforms to FDA 21 CFR.177.2600
- Conforms to USP Class VI Requirements
- Animal Derived Ingredient Free.
- Silicone Tri-Clamp Gaskets are available with collar for better grip and also without collar.
- Available in Red/ Orange/ White & Transparent colours

Type of Tri-Clover

- T/C Gaskets.
- Mesh T/C Gaskets
- PTFE Envelop Gaskets
- Sensor T/C Gaskets
- Validation T/C Gaskets

Standard Size

Normal Size	D3	D4	D5
1/2"	34.0	27.5	10.9
1/2" (Mini)	22.0	17.0	09.5
3/4"	34.0	27.5	15.4
1"	50.5	43.5	22.8
1 1/2"	50.5	43.5	35.8
2"	64.0	56.5	48.8
2 1/2"	77.5	70.5	60.5
3"	91.0	83.5	73.1
4"	118.0	110.0	96.0



Diaphragms Silicone, Viton, EPDM, Nitrile

Medical-grade, platinum-cured Silicone is widely accepted in pharmaceutical and biotech applications and is often used throughout the plant. Like all of our diaphragm materials, our Silicone diaphragms meet USP Class VI and FDA 21 CFR 177.2600 standards.



Silicone Sleeves For Corona Treatment

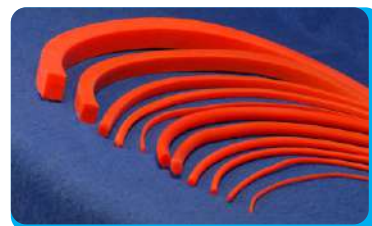


Rekson's sleeves are available in the sizes 50 mm (2"), 75 mm (3") & 98 mm (4") nominal diameters. If you have another treater roll diameter, please ask because we are sure that we can supply a sleeve to fit your requirement.

Cords, Strips & Autoclave Gaskets

Rekson Rubber & Polymer Technologies, offers a wide range of Cords in Silicone Rubber ranging from 0.5 mm to 50 mm in Square and Round Sections.

We Make Autoclave Gasket for top Autoclave Machine Manufacturer (OEM)



Bellows - Flexible Bellows & Expansion Joints



We are pioneer in Rubber Expansion Bellows. our Rubber Expansion Bellows are designed to take care of reactional forces like Thermal Expansion, Contraction, vibrationsetc, which otherwise break pipelines. These Rubber Expansion Joints are made up of Neoprene, EPDM, Silicone, Viton and also in Natural Rubber etc,

Rubber Sheets - Silicone, Viton, EPDM, Neoprene



Rekson's High quality silicone sheets conforms to FDA 21 CFR 177.2600 grade. These sheets are processed in high-pressure hydraulic moulding machines by accurately controlling the temperature and pressure, which ensures uniform physical properties of the sheets. Rekson's Silicone Sheets are available in white, Red or Orange or in any other colours as per the requirement of the customers.

Rubber Sheet Standard Sizes

**1 Foot x 1 Foot • 2 Feet x 2 Feet • 1 Meter x 1 Meter
1 Meter x 10 Meter • 1.2 Meter x 10 Meter**

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