



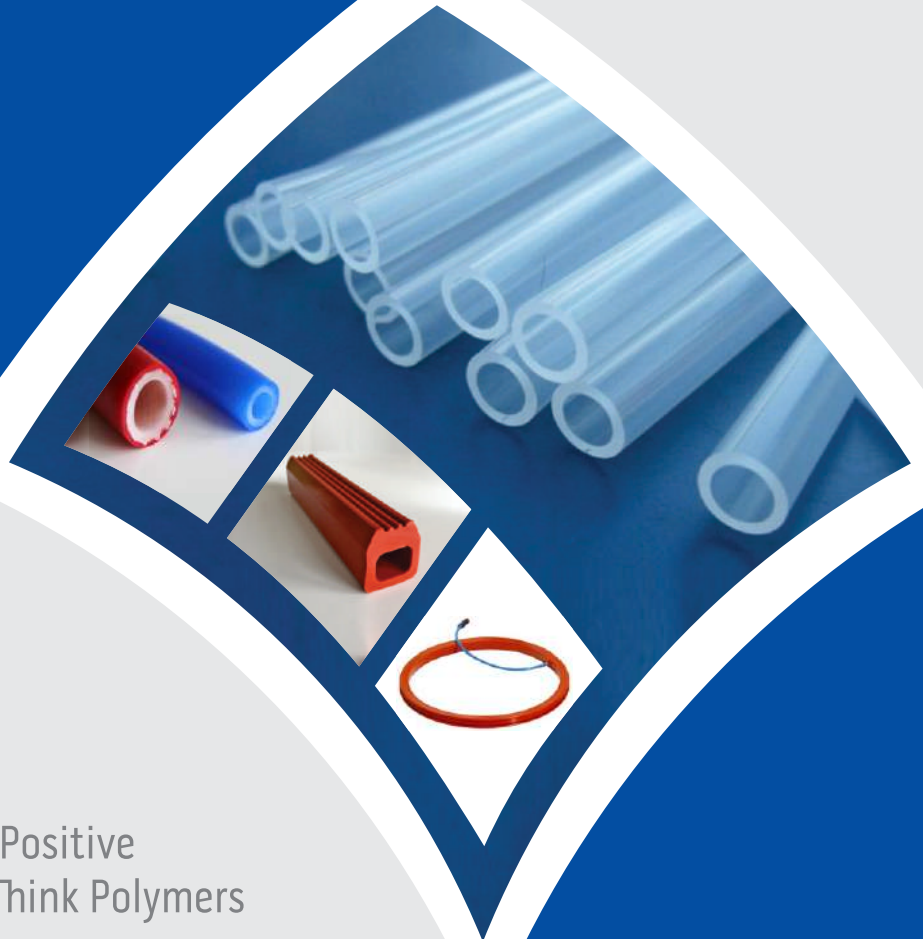
Shree

**GAURAV**

**POLYMERS** PVT. LTD.

AN ISO 9001:2008 COMPANY

**Specialist in**  
Rubber Sealing Solutions



Think Positive  
Think Polymers

# Our Company Profile

## About Us

Shree Gaurav Polymer Pvt. Ltd. An ISO 9001-2008 Certified Company based in Mumbai and Gujarat with Certified Clean Room manufacturing facility. organization was incorporated in the year 2003. Mr. Arun Kumar Kandoi, the CEO of Shree Gaurav Polymer Pvt .Ltd. has boundless enthusiasm in dealing with different types of silicone products.

Shree Gaurav Polymer Pvt. Ltd. is a young dynamic company specializing in Polymer manufacturing used in industries that demand a need for a high level of containment, these include Pharmaceutical, Nuclear, Bio-pharmaceutical, medical and many others.

At Shree Gaurav Polymer Pvt. Ltd. We have a skill set that calls upon 16 years of experience in designing and producing seals for demanding applications in varying process equipment that is used in these industrial sectors.

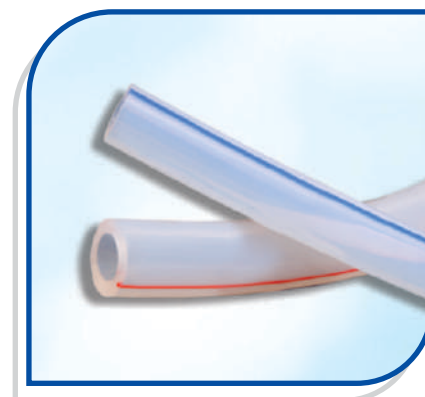
In addition to providing advanced sealing solutions, Shree Gaurav Polymer Pvt. Ltd. also design and supply flexible connections, gaskets, machined seal housings, rubber extrusions and mouldings to existing or bespoke profiles. Please contact us to talk to our sales engineers or to arrange a site visit to discuss your application or requirement in detail.

We are a quality-oriented business house which is bonafide by noted pharmaceutical giants in India. Presently, we are dealing with the market of some of the international countries counting from Middle East Asia and Europe. Shree Gaurav Polymer Pvt Ltd. customer-centered business.



## Product Range

- Silicone Transparent Tubes (Peroxide and Platinum Cured)
- Silicone Transparent Braided Hose (Platinum Cured)
- FKM Cords and Tubes
- Thermoplastic Elastomer Tubes (TPE Tube)
- Silicone Antistatic Tubes and Hoses
- Silicone Vacuum and High Pressure Hoses
- Silicone Bi-color/Color Coded Tubes
- Silicone Autoclave Gaskets
- Silicone Infatable Gaskets
- Tri-Clover Gaskets - Silicone, FKM, EPDM
- Validation Gaskets and Sensor TC "SMART" Gaskets
- Rubber Sheets - Silicone, EPDM
- O-Rings - Silicone, FKM, EPDM, Nitrile and Neoprene
- FEP Encapsulated O-Rings
- Solid and Sponge Cords (Round & Square Type)-Silicone, FKM, EPDM
- Extruded Profiles - Silicone, FKM, EPDM
- Silicone Antistatic Gaskets
- Buttery Valve Gaskets
- Isolator Gaskets
- Lyophilization Door Gaskets
- Silicone Diaphragms for NovAseptic Membrane Valves and Roplan (Steriodose make "Zero Dead-Leg" Valve (Sterivalve)
- Silicone Bellows - For Powder Transfer System and Tablet Compression Machine
- Silicone Sifter Sieves
- Self Adhesive Strips - Silicone and EPDM



## Polymer Range

- Platinum Cured Silicone
- Peroxide Cured Silicone
- Fluorosilicone
- Conductive Silicone
- FKM
- EPDM
- Neoprene
- Nitrile
- Thermoplastic Elastomer (TPE)
- Fluoropolymers (PTFE, FEP, PFA)

## Silicone Platinum Cured Tubing

Standard silicone tubing In our extrusion plant, we can produce any dimensions up to an outer diameter of 190mm. With this wide production ability, we can produce the desired cross-section for any customer requirement. Standard silicone tubing is produced with a Shore hardness of between 30° and 90°. On request, the tubing can be tinted in any RAL colour. The compounds used for the tubing are vulcanised using a peroxide or a platinum cure. Various licenses are possible for our basic tubing compounds:

High-performance, extended-life, platinum-cured silicone tubing formulation specifically designed for demanding peristaltic pump applications. Its superior flex life characteristics reduce potential production downtime due to pump tubing failure. Our Tube has an extremely smooth inner surface that helps minimize the risk of particle entrapment during sensitive fluid transfer.



### Lasts up to five times longer than other platinum silicone tubing

- Minimal extractables help maintain fluid integrity
- Ultra-smooth inner bore reduces potential particle entrapment
- Documented bio-compatibility for sensitive applications
- Excellent fluid flow characteristics
- Taste-free and odor-free
- Meets USP Class VI and FDA criteria.

## Braided Hoses (Polyster Fabric Reinforced)

Pharma Grade wire-reinforced, platinum-cured silicone hose, provides unsurpassed flexibility while maintaining high pressure ratings with full vacuum capabilities. All hoses is manufactured with an ultrapure bio-pharm ceutical-grade silicone to ensure your process integrity. Our heavy-duty reinforced, platinum-cured silicone hose is an ultra-flexible, high-purity hose that was developed for extreme elevated pressure applications. Pharma Grade hose withstands repeated autoclaving and sterilization and resists the adherence of blood products and other sanitary fluids.



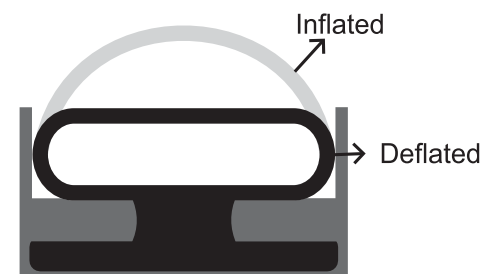
- Minimal extractables help maintain fluid integrity
- Ultra-smooth inner bore reduces potential particle entrapment
- Documented bio compatibility for sensitive applications
- Excellent fluid flow characteristics
- Taste-free and odor-free
- Meets USP Class VI and FDA criteria.

## Inflatable Gasket / Seals

**GPPL's** inflatable seals are manufactured in India and are designed to provide efficient hermetic sealing solutions providing protection against incursions by powders, granules, gases, liquids and dust. These pneumatic airtight seals are extremely useful for sealing fabricated pieces of equipment where:

- the sealing gap might vary
- assembly and dis-assembly needs to be quick and simple
- hygienic procedures exist (FDA applications and regulations)

Generally working from within a specific groove size the seals can operate axially, and for both inward and outward radial movements. The most popular requirements are for FDA approved Silicone Elastomer in either Blue, White or Red iron oxide colours. Other Elastomers and Pigmentations are available for a wide variety of sealing applications.



### CERTIFICATION

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

### APPLICATION

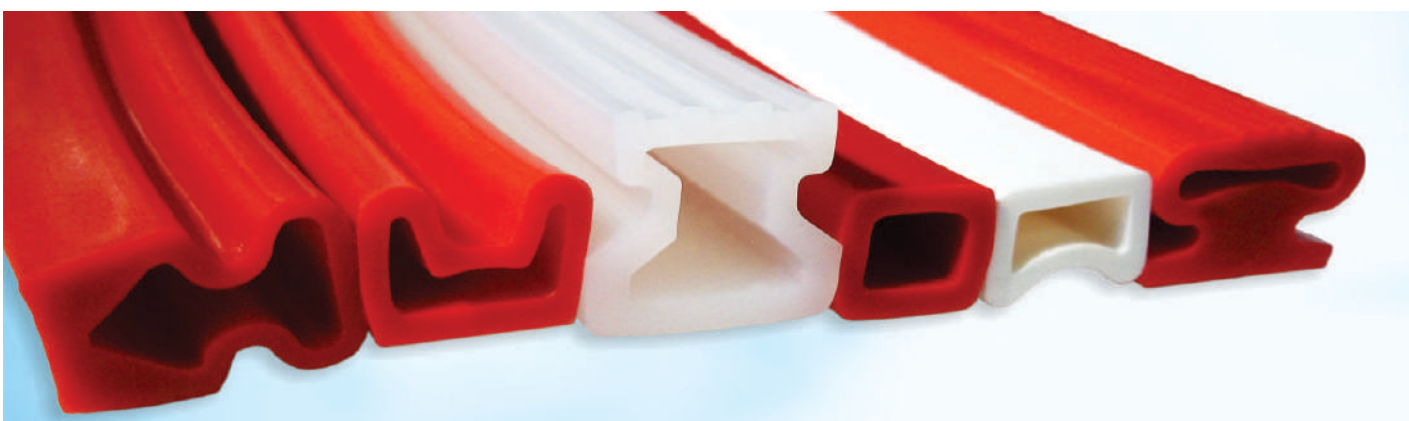
- Fluid Bed Dryers/Processors/Coaters
- Autoclaves, Sterilizers
- Isolators, Glove Box
- Rapid Mixer Granulators
- Nuclear Door Seals
- Airlock Door Seals

### APPLICABLE INDUSTRIES

- Pharmaceuticals
- Biotech
- Food Process
- Engineering
- Aerospace

### SPECIALITY

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



## Silicone Helix Poly Wire Hose

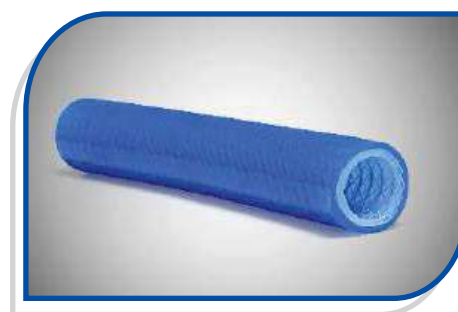
### Platinum Cured Silicone Hose Reinforced with Polyester Braiding and SS 316L Helical Wire

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



Application	Certification	Key Features
<ul style="list-style-type: none"> <li>Pharmaceutical processing</li> <li>Powder and fluid transfer</li> <li>High vacuum pump applications</li> <li>Food processing</li> <li>Load cell application</li> <li>Biotechnology</li> <li>Bulk transfer</li> <li>Fermentations and bio-reactors</li> </ul>	<ul style="list-style-type: none"> <li>Conforms to US FDA 21 CFR 177.2600 Food Grade Standard</li> <li>Conforms to USP Class VI</li> <li>ROHS certified, free of restricted heavy metals</li> <li>Animal Origin Certification (free of animal derived material)</li> <li>USFDA DMF No. 28363, 28364</li> </ul>	<ul style="list-style-type: none"> <li>Having high burst pressure resistance compare to other hose</li> <li>Designed for high vacuum rating applications</li> <li>Having Antistatic properties to dissipate static electrical charge makes it suitable for highly volatile inflammable fluid transfer</li> <li>Imparts no taste and odor</li> <li>Lot traceable</li> <li>Temp Range: 80 °C TO 180°C</li> <li>Available with SS316 L Tri-clover end</li> <li>Sterilizable by Autoclave, Ethylene oxide gas &amp; gamma Radiation</li> </ul>

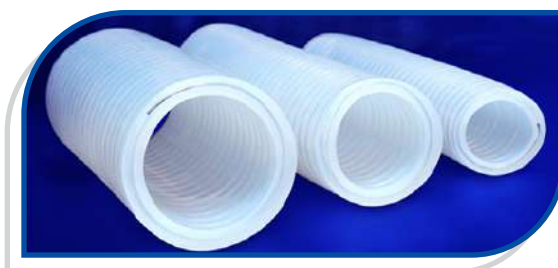
Sr. No.	Size In MM (ID x OD)	Size in Inch (ID)	Max Working Pressure IN (Bar) At 27°C	Min Burst Pressure IN (Bar) At 27°C	Min Bend Radius In (MM)	Vacuum Hg 27°C In (MM)
1	6x13	1/4"	12.5	48.5	60	760
2	9x16	11/32"	12.0	48.0	70	760
3	12x20	1/2"	11.0	41.5	70	760
4	16x24	5/8"	10.5	36.0	85	760
5	19x27	3/4"	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



## Silicone Helix SS Hose

### Platinum Cured Silicone Hose Reinforced with SS 316L Helical Wire

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



Application	Certification	Key Features
<ul style="list-style-type: none"> <li>Pharmaceutical Processing</li> <li>Powder &amp; Liquid transfer</li> <li>High Vacuum applications</li> <li>Food Processing</li> <li>Load cell application</li> <li>Bulk transfer</li> <li>Biotechnology</li> </ul>	<ul style="list-style-type: none"> <li>Conforms to US FDA 21 CFR 177.2600 Food grade Standard</li> <li>Conforms to USP Class VI</li> <li>ROHS certified, free of restricted heavy metals</li> <li>TSE/BSE Certification (free of animal derived material)</li> <li>USFDA DMF No. - 28363, 28364</li> </ul>	<ul style="list-style-type: none"> <li>High burst pressure resistance compare to other hoses.</li> <li>Designed for high vacuum rating applications</li> <li>Having Antistatic properties to dissipate static electrical charge makes it suitable for highly volatile flammable fluid transfer</li> <li>Imparts no taste and odor</li> <li>Lot traceable</li> <li>Temp Range: -80 °C TO 210°C</li> <li>Available with SS316 L Tri-clover end</li> <li>Sterilizable by Autoclave, Ethylene oxide gas &amp; gamma</li> </ul>

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



## Silicone Helix SS Wrap Hose

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

Platinum cured Silicone hose reinforced with SS 316L Helical wire and 2-3 layers of polyester fabric wrapping. this hose 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"> <li>Pharmaceutical processing</li> <li>Food processing</li> <li>Load cell application</li> <li>CIP, WFI transfer application</li> <li>Bulk powder transfer</li> <li>Fermentations and bioreactors</li> <li>High pressurized Steam transfer application</li> </ul>	<ul style="list-style-type: none"> <li>Conforms to US FDA 21 CFR 177.2600 Food grade Standard</li> <li>Conforms to USP Class VI</li> <li>Animal Origin Certification (free of animal derived material)</li> <li>USFDA DMF No. 28363, 28364</li> </ul>	<ul style="list-style-type: none"> <li>Having high pressure rating ensures safe material transfer handling process</li> <li>Designed for high vacuum rating applications</li> <li>Excellent flexibility &amp; kink resistance</li> <li>Imparts no taste and odor</li> <li>Lot traceable</li> <li>Temp Range: -80 °C TO 180°C</li> <li>Available with SS316 L Tri-clover end</li> <li>Sterilizable by Autoclave, Ethylene oxide gas &amp; gamma Radiation</li> </ul>

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



## Tri-Clover Fittings

- SS 316L Tri-Clovers designed in latest CNC, VMC machine.
- Available with surface roughness average value 0.5 at bore.
- Low coefficient of friction prevents particle entrapment.
- Available sizes of T/C clamp.
- Laser printing for lot identification.
- Hydro Tested
- Air Tested Leak Proof Tri-Clover Fittings
- Vacuum Tested

SIZE OD	SUITABILITY (SIZE OF HOSES IN INCH)
25 MM	1/2" , 3/8"
34 MM	1/2" , 3/8" , 5/8"
50.5 MM	1/2" , 3/8" , 5/8" , 3/4" , 1" , 1 1/2"
64 MM	2"
77.5 MM	2 1/2"
91 MM	3"
118 MM	4"

## Silicone Molded Mandrill Built Hose:

- Variety of silicone hoses available for pharma, food, beverages & biotech application
- Having smooth inner layer due to excellent surface on mandrill
- Customized length available with sharp bend angle
- Applicable for coolant hose, radiator hose
- High mechanical properties for durable performance



## Value Added to Silicone Hose

- **Color Coded Hose:**  
Silicon hose is available with variety of color lining on outermost surface for identification.
- **Laser Printing on Tri-Clovers for Lot Identification:**  
Customized printing can be done like name of fluid, lot no., equipment no. can be printed on Tri-Clovers
- **Colored Outer Layered Hose:**  
Silicone hose outermost layer can be color coded for identification purpose.
- **Sandwich Printing Technology:**  
Fine layer of platinum silicone is applied over printed hose. It is permanent method of printing which avoids direct contact of ink.
- **Silicone Bend Hose:**  
Silicone hose Available with Outer SS 304 covering Double polyester braided silicone Hose for extra reinforcement



## Encapsulated "O" Ring (PFA/FEP)

FEP/PFA Encapsulated 'O'-Rings and Seals We are Supplying FEP/PFA Encapsulated 'O'-Rings and Seals globally.

We have the capacity to produce virtually any cross-section and diameter size or shape of seals, backed by a Stock Guarantee on the most common items and a short lead time on the rest. Carefully monitored in-house production and multiple levels of electronic inspection ensure high product quality and reliability.



### Benefits of Encapsulated 'O'-Rings and Seals

- Exceptional resistance to aggressive chemicals and gas permeability
- Cost efficient alternative to Kalrez® and similar fluoroelastomer 'O'Rings
- Low coefficient of friction allowing reduced wear of equipment
- Adaptive sealing force of an elastomeric 'O'-Ring
- Resistant to compression set/cold flow issues of solid 'O'-Rings

## Autoclave Door Gaskets

Door gaskets are typically constructed with solid silicone rubber – a minimum of ¼" thickness. As a safety feature they should not depend on air or steam pressure for their sealing but rather on the pressure of the door as it closes against the gasket. This is referred to as a "passive" gasket design. Their benefits include:

- Will not deflate if punctured
- Does not require air or steam for inflation
- Will not deflate if compressed air or steam is lost.
- Creates a purely mechanical seal and is therefore fail safe

The gaskets can be changed without tools or adhesives when replacement is needed, which reduces maintenance time. Available in All Customized Sizes and Standard Original Manufacturers machines also. Note- We are Manufacturing Hi-grade polymer Autoclave Door Gasket in Steam resistance SILICONE only



## Cords, Strips Gaskets (Silicone/Viton/EPDM)

**GPPL's** offers a wide range of cords in silicone rubber ranging from 0.5 mm to 50 mm in square and round sections. These cords are manufactured by step molding process. Both of these processes are well advanced and technologically innovate in which, the accurate dimensions, excellent finish & consistent physical properties are maintained throughout the length.

	STANDARD SIZE AVAILABILITY
<b>ROUND CORD</b>	1.00mm, 2.00 mm, 3.00 mm, 3.5 mm, 4.00 mm, 4.5 mm,... upto 50.00 mm.
<b>SQUARE CORD</b>	6 mm X 6 mm, 8 mm X 8 mm, 10 mm X 10 mm, 12 mm X 12 mm..... upto 50 mm X 50 mm.
<b>STRIPS</b>	25 x 0.5 mm, 25 x 1 mm, 25 x 2 mm, 25 x 3 mm, 25 x 6 mm, 30 x 0.5 mm, 30 x 1 mm, 30 x 2 mm, 30 x 3 mm, 30 x 5 mm, 30 x 6 mm, 40 x 0.5 mm, 40 x 1 mm, 40 x 2 mm, 40 x 3 mm, 40 x 5 mm, 40 x 6 mm, 50 x 0.5 mm, 50 x 1 mm, 50 x 2 mm, 50 x 3 mm, 50 x 5 mm, 50 x 6 mm OR as per the requirements of the customers.



## Extruded Profiles (Silicone/Viton/EPDM)

**"We can also make the extruded door gaskets as per customers requirements"**

**GPPL's** offers a wide range of silicone extruded door gaskets in more than 1000 different shapes and designs. (In round and square types). Extruded door gaskets (Autoclavable) are made from Food-Pharma grade pure silicone rubber which can easily withstands a temperature range of -80°C to +250°C.

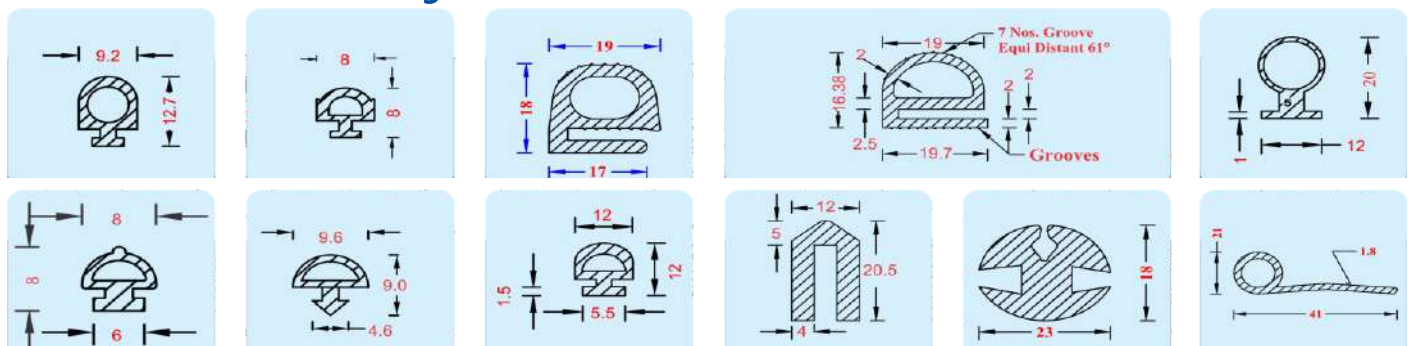
**GPPL's** extruded gaskets are available in square cross sections like 6mm x 6 mm, 8mm x 8mm, 10mm x 10mm, 20mm x 20mm, 25mm x 25mm etc. with OR without hollow. These gaskets are available in Red, White, Orange or any color as per customer's requirement. We also undertake small and bulk order for these gaskets from 25 Mtrs to 25000 Mtrs.

### Our Extruded Door Gaskets Use In :

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



### Extruded Door Gaskets Design



## Rubber Sheets

(Silicone/FKM/EPDM/Neoprene)

**GPPL's** high quality silicone sheets conforms to FDA 21 CFR 177.2600 grade. These sheets are processed in highpressure hydraulic moulding machines by accurately controlling the temperature and pressure, which ensures uniform physical properties of the sheets. GPPL's silicone sheets are available in white, red or orange or in any other colors as per the requirement of the customers.

### Rubber Sheet Standard Sizes

MOC	MIN THICKNESS	MAX THICKNESS
1 FEET X 1 FEET		
SILICONE	1MM	20MM
FKM/VITON®	2MM	12MM
SILICONE SPONGE	3MM	12MM
2 FEET X 2 FEET		
SILICONE	2MM	12MM
FKM/VITON®	2MM	12MM
SILICONE SPONGE	3MM	12MM
1 METER X 1 METER		
SILICONE	1MM	12MM
FKM/VITON®	2MM	12MM
1 METER X 10 METER		
SILICONE	1MM	6MM
1.2 METER X 10 METER		
SILICONE	1MM	6MM



## Silicone Diaphragms

Food/Pharma 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.

### Features & Benefits

- All diaphragms meet USP VI standard and are FDA CFR 177.2600 compliant
- Meets the standards for quality, purity, lack of toxicity, strength and consistency
- Suitable for biomedical/pharma application

### Types

- Flush Bottom Valves
- Zero Dead Leag Valves
- Diaphragms Valves
- Pressure Regulation
- Back Pressure Valves



## Tri Seal Gasket

## Tri-Clover Gaskets (Silicone/FKM/EPDM/PTFE)

### Characteristics

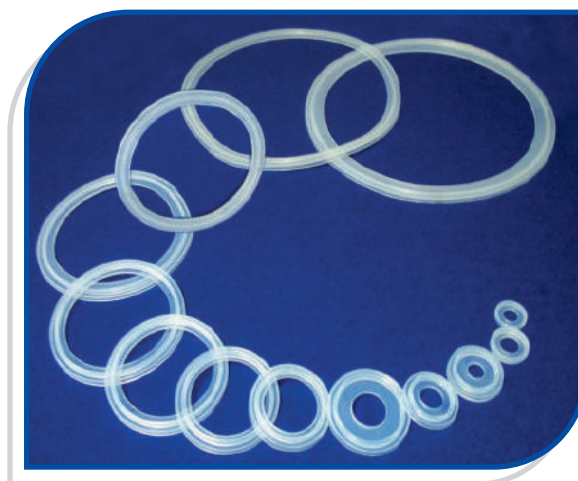
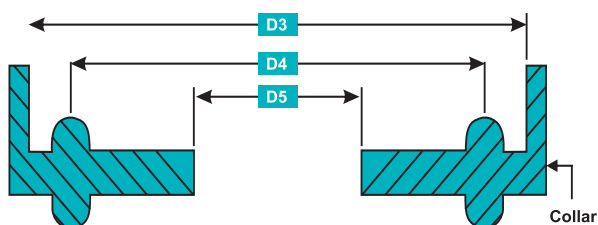
- Made from platinum cured silicone resin, FKM and EPDM.
- Conforms to FDA 21 CFR.177.2600.
- Conforms to USP Class VI requirements.
- Animal derived ingredient free.
- Tri Seal is available with collar for better grip and also without collar.
- Available in red/orange/white and transparent colors.

### Types

- Standard Tri-Clover Gaskets
- Tri-Clover Gasket with SS Mesh
- PTFE Enveloped Gaskets
- Sensor Tri-Clover Gaskets
- Validation Tri-Clover Gaskets

### Standard Size

NORMAL SIZE	D3	D4	D5
½"	34.0	27.5	10.9
½" A (Mini)	22.0	17.0	09.5
¾"	34.0	27.5	15.4
1"	50.5	43.5	22.8
1 ½"	50.5	43.5	35.8
2"	64.0	56.5	48.8
2 ½"	77.5	70.5	60.5
3"	91.0	83.5	73.1
4"	118.0	110.0	96.0



# Silicone Customized Products



**T PARTITION GASKETS**



**PARTITION GASKETS**



**SILICONE HOPPER GASKETS**



**SILICONE TIRES/BANDS**



**SILICONE TIPS**



**MEDICAL & SURGICAL COMPONENTS**



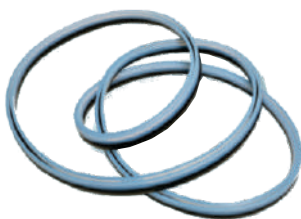
**SILICONE DUST CUP (D & B TOOLING)**



**SILICONE MOUTHPIECE**



**SILICONE SUCTION CUP**



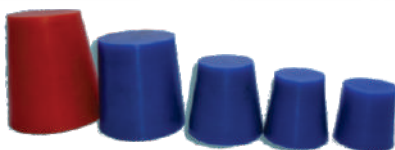
**ANTISTATIC GASKET**



**BELLOW FOR ISOLATOR**



**BUTTERFLY VALVES GASKETS  
IN SILICONE/FKM/EPDM**



**SILICONE CORK**



**SILICONE WASHER**



**WASHER**

## Silicone Bellows

For Powder Transfer System



## Silicone Bellows

For Tablet Compression Machine





Corporate Office:

112/B, Marudhar Indl Estate, Opp. Old Syndicate Bank,  
Goddev Road, Bhayander (E), Dist. Thane, Mumbai,  
Maharashtra 401105, India.

+91 22 28197355

+91 98190 08344

info@gauravpolymer.com  
marketing@gauravpolymer.com

www.gauravpolymer.com

Unit 1

112/B, Marudhar Indl Estate, Opp. Old Syndicate Bank,  
Goddev Road, Bhayander (E), Dist. Thane, Mumbai,  
Maharashtra 401105, India.

+91 22 28197355 +91 98924 14152

Unit 2

Clean Room Certified Facility, Assigned with **US FDA DMF No. 28363**  
H/10, Global Industrial Park, Survey No. 26/2, Nahuli Railway Crossing,  
Off N.H. 8, Valvada, Vapi-386105, Dist. Valsad (Gujarat) India.

+91 97021 77857

