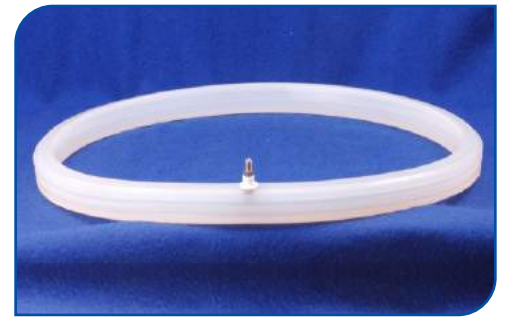
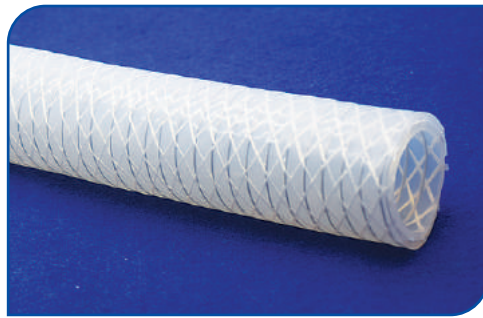


# SPECIALIZED IN PLATINUM CURED SILICONE TUBES, BRAIDED HOSES & INFLATABLE SEALS/GASKETS



**Ami Polymer Pvt. Ltd.**

**“Sealing Expert in Silicone”**

An ISO 9001:2008/14001:2004/18001:2007 &  
Clean Room Class 10000 Certified Co. DMF # 26201 accredited by USFDA

info@amipolymer.com



**Ami Polymer Pvt. Ltd.** has started its operation in 1996 to manufacture a wide range of silicone rubber products for the most precious & intricate applications for the food, pharma, medical and heavy engineering sectors in India and worldwide. The company enjoys a high reputation among the major pharmaceuticals & biotech giants in India. The company is headed by qualified rubber technologists from premier institutes from India, coupled with the rich experience in R&D and reinforced with management capabilities.

Besides the silicone rubber products, the company also manufactures a wide range of products in Viton<sup>®</sup>, EPDM, Neoprene, Nitrile, Hypalon and SBR.

The Company believes in “**Be in business with ethics**” and assures **Quick Development, Fastest Delivery, Ultimate Quality** and also very **Competitive Rates**.

## OUR STRENGTH

- **DMF #26201 (Drug Master File) for manufacturing of Silicone Tubes accredited by USFDA.**
- **Clean Room of Class 10000 Certified Facility**
- ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 certified.
- Excellence Award among Top 50 SME companies by ASSOCHAM.
- A dedicated strength of 255 employees which includes Qualified Rubber Technologists & Engineers.
- High Performance Capability & Credit Rating of SE-2B from **CRISIL**.
- Advance R&D facility & lab with latest equipments.
- Awarded as the “Best Manufacturing Unit” by MBSSIA in 2009.
- Sound infrastructure & capabilities to develop tailor-made products as per customer’s requirements.
- Advance infrastructure spread over 80,000 sq.ft. manufacturing facility, having 4 million US\$ turnover.
- Advance technology for manufacture of Inflatable Gaskets.
- Most advanced fully automatic microwave continuous curing system which ensures accurate dimension, glossy surface & aesthetically finish.
- Permanent Laser Marked profiles available on request.
- Well equipped tool room with CNC & VMC machines.
- In-house Hose Crimping & Hydrotest testing facility.
- Laser controlled manufacturing system for accurate dimension of tubing/profiles.

## PRODUCT RANGE



- ✓ Silicone Transparent Tubes (Peroxide & Platinum Cured)
- ✓ Silicone Transparent Braided Hose (Platinum Cured)
- ✓ Silicone Autoclave Gaskets
- ✓ FBD Inflatable Gaskets for Fluid Bed Dryer
- ✓ Tri-Clover Gaskets (Silicone, Viton®, EPDM)
- ✓ Silicone & 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
- ✓ Lyophilization Door Gaskets
- ✓ Viton Cords & Tubes
- ✓ Silicone Vacuum Bellows
- ✓ Silicone Bellows
- ✓ Rubber Bellows & Expansion Joint
- ✓ Silicone Diaphragms for NovAseptic Membrane Valves & Roplan (Steriodose make "Zero Dead-Leg" Valve (Sterivalve)
- ✓ Silicone sleeve for Corona Treater Application
- ✓ Validation Gaskets & Sensor TC "SMART" Gaskets



## POLYMER RANGE

- ✓ Platinum Cured Silicone
- ✓ Peroxide Cured Silicone
- ✓ Silver Filled Silicone
- ✓ Fluorosilicone
- ✓ Conductive Silicone
- ✓ Viton® (FKM)
- ✓ EPDM
- ✓ Neoprene
- ✓ Nitrile
- ✓ Hypalon
- ✓ Butyl
- ✓ ThermoPlastic Elastomer
- ✓ PTFE





**Imapure™** is platinum cured silicone tubing designed for peristaltic pump and fluid transfer in pharmaceutical and biotech applications. **Imapure™** is translucent 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**

- ✓ Manufactured by using PLC controlled latest Extrusion Technology & Advance Grade Platinum Cured Silicone
- ✓ Manufactured & Packaged in Clean room class of ISO-7, ISO 9001 QMS, ISO 14001 & OHSAS 18001 certified facility
- ✓ Inspected by laser online inspection device to maintain critical dimensional consistency
- ✓ Laser etched for traceability
- ✓ Complies with FDA 21 CFR, USP Class VI & ISO 10993
- ✓ 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



**Imatech™** is platinum grade silicone tubing designed for general purpose applications in food and pharmaceutical industries. **Imatech™** is smooth bore tubing compare to peroxide grade tubing which reduces risk of particle entrapment during transfer of fluid. **Imatech™** meets with non-regulatory market requirements.

**CHARACTERISTICS**

- ✓ Manufactured by using General Grade Platinum Cured Silicone Rubber
- ✓ Manufactured & Packaged in dust free area of ISO 9001 QMS, ISO 14001 & OHSAS 18001 certified facility
- ✓ Better fluid transfer characteristics compare to peroxide silicone tubing
- ✓ Available with FDA approved silicone based color coding
- ✓ Better transparency compare to peroxide tubing
- ✓ Free of any heavy metals & hazardous substances



# Platinum Cured Silicone Tubing Comparison Chart



SPECIFICATIONS	Imapure™	Imatech™
Intended Market	Regulatory	Non-Regulatory
Silicone Raw Material Grade	Advance Grade Platinum	General Grade Platinum
FDA 21 CFR 177.2600 (USA Food Grade Certificate)	Available	Available
EP 3.1.9	Available	Not Available
Acute Systemic Toxicity Test (USP Class VI)	Available	Available
Intracutaneous Toxicity Test (USP Class VI)	Available	Available
Implantation Test (USP Class VI)	Available	Available
Phthalate/Bis-phenol Free COA	Available	Available
ROHS Certification	Available	Available
TSE/BSE Certification	Available	Available
Physical Test Report	Available	Available
German Bfr XV (German Food Grade COA)	Available	Not Available
France Arrete du 25 (France Food Grade COA)	Available	Not Available
Pyrogenicity Test (ISO 10993 Medical Devices)	Available	Not Available
Sensitization Test (ISO 10993 Medical Devices)	Available	Not Available
Cytotoxicity Test (ISO 10993 Medical Devices)	Available	Not Available
DMF Registration Letter	Available	Not Available
Extractable Study	Available	Not Available
Laser Etching Traceability	Available	Not Available
Dimensional Tolerance	Close	Open
Tubing Inspection System	laser Inspection Device	Manually
Manufacturing Environment of Product	Clean Room ISO Class 7	Dust Free Environment
Shelf Life	3 Years	3 Years
Steam Sterilization Cycle Capability	25 Cycles	20 Cycles
Price	--	Competitive



**Imaprene™** pharmaceutical grade thermoplastic elastomer tubing designed for peristaltic pump transfer. **Imaprene™** is opaque tubing especially known for its excellent flexibility and flex crack resistance.

**CHARACTERISTICS**

- ✓ Manufactured by using world class thermoplastic elastomer
- ✓ Manufactured & Packaged in dust free environment of ISO 9001 QMS, ISO 14001 & OHSAS 18001 certified facility
- ✓ Excellent chemical & solvent resistance (Ex. IPA)
- ✓ Superior flex crack resistance
- ✓ Durable for peristaltic pump application
- ✓ Smooth bore to ensure least contamination
- ✓ Non toxic, non hemolytic



**Imaweld™** is thermoplastic elastomer opaque tubing designed for fluid transfer in pharmaceutical and biotech applications. **Imaweld™** is specially formulated which meets requirement of pharmaceutical industries with superiority compare to PVC and silicone.

**CHARACTERISTICS**

- ✓ Complies with FDA 21 CFR 177.2600, USP Class VI & ISO 10993
- ✓ Manufactured & Packaged under GMP guidelines in dust free area of ISO 9001 QMS, ISO 14001 & OHSAS 18001 certified facility
- ✓ Heat sealable and weldable
- ✓ Laser etched for traceability
- ✓ Excellent flexibility and flex crack resistance
- ✓ Excellent acid and alkali resistance
- ✓ Smooth bore surface to eliminate particle entrapment
- ✓ Superior chemical resistance compare to silicone
- ✓ Sterilizable by Steam, Gamma Radiation and Ethylene Oxide
- ✓ Custom dimension and length size available
- ✓ Available in transparent color



**Imachemton™** is fluoropolymer tubing (popularly known as Viton® tubing) especially designed for highly corrosive chemicals and solvents used in pharmaceutical industries. It is manufactured in dedicated controlled environment to comply critical food and pharma grade standards.



**CHARACTERISTICS**

- ✓ Excellent resistance to alcohols, acids, halogenated solvents (Ex. IPA & MDC)
- ✓ Greater flame and fire resistance
- ✓ Service temperature -15°C to +250°C
- ✓ Available in 60 Shore A & 70 Shore A hardness
- ✓ Available in black and off-white color
- ✓ Double polybag packaged in standard pack size of 25 mtr (custom packing sizes available)
- ✓ Extractable & Leachable data available upon request
- ✓ Phthalate free

**Imapex™** peroxide grade silicone tubing is designed for general, non critical applications. **Imapex™** 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 grade peroxide cured silicone rubber
- ✓ Manufactured & Packaged in dust free environment of ISO 9001 QMS, ISO 14001 & OHSAS 18001 certified facility
- ✓ 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



STERILIZATION VALIDATION	Imapure™	Imatech™	Imaweld™	Imaprene™	Imachemton™	Imapex™
by Steam	✓	✓	✓	✓	✓	✓
by Dry Air	✓	✓	✓	✓	✓	✓
by Gamma Radiation	✓	✓	✓	✓	✗	✓
by Ethylene Oxide	✓	✓	✓	✓	✗	✓

## STORAGE CONDITION & USAGE

- Store the tubing in room temperatures (27°C) & dry place. Keep it away from sunlight.
- Ready for sterilization. Needs to sterilize before usage. Gamma sterilized tubes are available upon request (Excluding **Imachemton™**)

## Antistatic Silicone Tube



### KEY FEATURES

- ✓ Complies with FDA 21 CFR 177.2600
- ✓ Antistatic properties to dissipate charges through rubber surface & volume
- ✓ Used for flammable solvent transfer & peristaltic pump application
- ✓ Non-transparent color (milky white or black)
- ✓ Available in 60 Shore A & 70 Shore A hardness or as per requirement

## Color Coded Silicone Transparent Tube



### KEY FEATURES

- ✓ Suitable for color coding purpose to avoid contamination problems
- ✓ Available in custom colors like red, yellow, pink, violet, etc
- ✓ Available with color coded or whole color coded transparent tube
- ✓ Also available in custom sizes
- ✓ The color used is food grade
- ✓ Color line is located at outside of tube so it does not come in contact with product pass through
- ✓ Typical hardness: 60-65 Shore A

## IMPORTANT NOTE

- **Imapure™, Imatech™, Imaweld™, Imaprene™, Imachemton™, Imapex™, Imafit™, Imavac™, Imavacfit™, Imawrap™, Imaflexxie™, Imaseal™, Imaclamp™** are Trade Mark of Ami Polymer Pvt. Ltd.
- Viton® is Registered Trade Mark of Dupont





## CERTIFICATIONS

CERTIFICATES	Imapure™	Imatech™	Imaweld™	Imaprene™	Imachemton™	Imapex™
FDA 21 CFR 177.2600	Available	Available	Available	Available	Available	Available
EP 3.1.9	Available	NA	Available	NA	NA	NA
USP Class VI	Available	Available	Available	Available	Available	NA
ISO 10993	Available	NA	Available	Available	NA	NA
TSE/BSE Free Certification	Available	Available	Available	Available	Available	Available
Extractable Study	On Request	NA	On Request	On Request	On Request	NA
German Bfr XV	Available	NA	NA	NA	NA	NA
France arrette du 25	Available	NA	NA	NA	NA	NA
RoHS Certification	Available	Available	Available	Available	Available	Available
USFDA DMF Registration	Available	In-process	In-process	In-process	NA	NA
Phthalate/Bisphenol Free	Available	Available	Available	Available	Available	Available
Validation Pack	On Request	On Request	On Request	On Request	On Request	NA
Shelf Life	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years
Chemical Compatibility Chart	On Request	On Request	On Request	On Request	On Request	On Request
Material Safety Data Sheet	On Request	On Request	On Request	On Request	On Request	On Request

## APPLICATIONS

APPLICATIONS	Imapure™	Imatech™	Imaweld™	Imaprene™	Imachemton™	Imapex™
Peristaltic Pump for Fluid Transfer	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended
Critical Sterile Transfer & Filling	Recommended	--	Recommended	Recommended	--	--
Chemical & Analytical Analysis	Recommended	Recommended	Recommended	Recommended	Recommended	--
Fermentation in Biotech Sector	Recommended	--	Recommended	--	--	--
Vaccine Transfer	Recommended	--	Recommended	--	--	--
Biopharmaceutical Application	Recommended	--	Recommended	--	--	--
Microbiological Application	Recommended	--	Recommended	--	--	--
Sanitary Application	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended
Load Cell & Media Processing	Recommended	--	Recommended	--	--	--
Drug Delivery & Sampling	Recommended	Recommended	Recommended	Recommended	--	--
Food & Beverages Industries	Recommended	Recommended	Recommended	Recommended	Recommended	Recommended
High Temperature Fluid Transfer	Recommended	Recommended	--	--	Recommended	Recommended
Medical Application	Recommended	Recommended	--	--	--	--
Fluorinate Chemical Transfer	--	--	--	--	Recommended	--
Fuel & Oil Industries	--	--	--	--	Recommended	--
Electronic & Engineering Devices	--	--	--	--	--	Recommended
Helogerated Solvent Transfer	--	--	--	--	Recommended	--

**Disclaimer:** Any of pharma tubing supplied by Ami Polymer Pvt. Ltd. is not intended for human implant application. The technical information provided here is best of our knowledge. It is user's responsibility for selection of any tubing for any particular pharmaceutical and medical applications. We recommend users to conduct laboratory testing of products in case of critical regulatory requirements to ensure its safety and effectiveness.

# Standard Available Sizes for Tubings



SIZES					TUBINGS CATALOGUE NUMBER					
ID		OD		THICKNESS						
INCH	MM	INCH	MM	INCH	Imapure™	Imatech™	Imaweld™	Imaprene™	Imachemton™	Imapex™
1/16	1.60	1/8	3.17	1/32	901-203-60	701-203-60	4020-0016-078	8020-0016-078	5020-0016-078	601-203-60
1/16	1.60	13/64	4.76	1/16	901-113B-60	701-113B-60	4020-0016-158	8020-0016-158	5020-0016-158	601-113B-60
5/64	2.00	5/32	4.00	3/64	901-114-60	701-114-60	4020-0020-100	8020-0020-100	5020-0020-100	601-114-60
5/64	2.00	13/64	5.00	1/16	901-115-60	701-115-60	4020-0020-150	8020-0020-150	5020-0020-150	601-115-60
1/8	3.17	1/4	6.35	1/16	901-204-60	701-204-60	4020-0031-159	8020-0031-159	5020-0031-159	601-204-60
1/8	3.00	1/4	6.00	1/16	901-117-60	701-117-60	4020-0030-150	8020-0030-150	5020-0030-150	601-117-60
1/8	3.00	9/32	7.00	5/64	901-118-60	701-118-60	4020-0030-200	8020-0030-200	5020-0030-200	601-118-60
1/8	3.00	5/16	8.00	2.32	901-205-60	701-205-60	4020-0030-250	8020-0030-250	5020-0030-250	601-205-60
5/32	4.00	1/4	6.00	3/64	901-119-60	701-119-60	4020-0040-100	8020-0040-100	5020-0040-100	601-119-60
5/32	4.00	9/32	7.00	1/16	901-120-60	701-120-60	4020-0040-150	8020-0040-150	5020-0040-150	601-120-60
5/32	4.00	5/16	8.00	5/64	901-121-60	701-121-60	4020-0040-200	8020-0040-200	5020-0040-200	601-121-60
5/32	4.00	23/64	9.00	3/32	901-206-60	701-206-60	4020-0040-250	8020-0040-250	5020-0040-250	601-206-60
5/32	4.00	25/64	10.0	1/8	901-207-60	701-207-60	4020-0040-300	8020-0040-300	5020-0040-300	601-207-60
3/16	4.76	5/16	7.90	1/16	901-122-60	701-122-60	4020-0047-157	8020-0047-157	5020-0047-157	601-122-60
3/16	4.76	3/8	9.50	3/32	901-123-60	701-123-60	4020-0047-237	8020-0047-237	5020-0047-237	601-123-60
13/64	5.00	5/16	8.00	1/16	901-125-60	701-125-60	4020-0050-150	8020-0050-150	5020-0050-150	601-125-60
13/64	5.00	23/64	9.00	5/64	901-126-60	701-126-60	4020-0050-200	8020-0050-200	5020-0050-200	601-126-60
13/64	5.00	25/64	10.0	3/32	901-127-60	701-127-60	4020-0050-250	8020-0050-250	5020-0050-250	601-127-60
13/64	5.00	7/16	11.0	1/8	901-128-60	701-128-60	4020-0050-300	8020-0050-300	5020-0050-300	601-128-60
15/64	6.00	5/16	8.00	3/64	901-129-60	701-129-60	4020-0060-100	8020-0060-100	5020-0060-100	601-129-60
15/64	6.00	23/64	9.00	1/16	901-130-60	701-130-60	4020-0060-150	8020-0060-150	5020-0060-150	601-130-60
15/64	6.00	25/64	10.0	5/64	901-131-60	701-131-60	4020-0060-200	8020-0060-200	5020-0060-200	601-131-60
15/64	6.00	7/16	11.0	3/32	901-132-60	701-132-60	4020-0060-250	8020-0060-250	5020-0060-250	601-132-60
15/64	6.00	15/32	12.0	1/8	901-133-60	701-133-60	4020-0060-300	8020-0060-300	5020-0060-300	601-133-60
1/4	6.35	3/8	9.50	1/16	901-171-60	701-171-60	4020-0063-157	8020-0063-157	5020-0063-157	601-171-60
1/4	6.35	7/16	11.11	3/32	901-208-60	701-208-60	4020-0063-238	8020-0063-238	5020-0063-238	601-208-60
1/4	6.35	1/2	12.70	1/8	901-209-60	701-209-60	4020-0063-317	8020-0063-317	5020-0063-317	601-209-60
5/16	7.90	1/2	12.70	3/32	901-140B-60	701-140B-60	4020-0079-240	8020-0079-240	5020-0079-240	601-140B-60
5/16	8.00	7/16	11.0	1/16	901-139-60	701-139-60	4020-0080-150	8020-0080-150	5020-0080-150	601-139-60
5/16	8.00	15/32	12.0	5/64	901-140-60	701-140-60	4020-0080-200	8020-0080-200	5020-0080-200	601-140-60
5/16	8.00	35/64	14.0	1/8	901-141-60	701-141-60	4020-0080-300	8020-0080-300	5020-0080-300	601-141-60
5/16	8.00	5/8	16.0	5/32	901-143-60	701-143-60	4020-0080-400	8020-0080-400	5020-0080-400	601-143-60
23/64	9.00	19/32	15.0	1/8	901-145-60	701-145-60	4020-0090-300	8020-0090-300	5020-0090-300	601-145-60
23/64	9.00	5/8	16.0	9/64	901-146-60	701-146-60	4020-0090-350	8020-0090-350	5020-0090-350	601-146-60
3/8	9.50	1/2	12.70	1/16	901-177B-60	701-177B-60	4020-0095-160	8020-0095-160	5020-0095-160	601-177B-60
3/8	9.50	9/32	14.28	3/32	901-191-60	701-191-60	4020-0095-239	8020-0095-239	5020-0095-239	601-191-60
3/8	9.50	5/8	15.87	1/8	901-172-60	701-172-60	4020-0095-318	8020-0095-318	5020-0095-318	601-172-60
3/8	9.50	3/4	19.05	3/16	901-193-60	701-193-60	4020-0095-477	8020-0095-477	5020-0095-477	601-193-60
25/64	10.0	35/64	14.0	5/64	901-149-60	701-149-60	4020-0100-200	8020-0100-200	5020-0100-200	601-149-60
25/64	10.0	5/8	16.0	1/8	901-150-60	701-150-60	4020-0100-300	8020-0100-300	5020-0100-300	601-150-60
25/64	10.0	45/64	18.0	5/32	901-210-60	701-210-60	4020-0100-400	8020-0100-400	5020-0100-400	601-210-60
15/32	12.0	5/8	16.0	5/64	901-151-60	701-151-60	4020-0120-200	8020-0120-200	5020-0120-200	601-151-60
15/32	12.0	45/64	18.0	1/8	901-152-60	701-152-60	4020-0120-300	8020-0120-300	5020-0120-300	601-152-60
15/32	12.0	25/32	20.0	5/32	901-153-60	701-153-60	4020-0120-400	8020-0120-400	5020-0120-400	601-153-60
1/2	12.70	11/16	17.46	3/32	901-194-60	701-194-60	4020-0127-238	8020-0127-238	5020-0127-238	601-194-60
1/2	12.70	3/4	19.05	1/8	901-173-60	701-173-60	4020-0127-317	8020-0127-317	5020-0127-317	601-173-60
1/2	12.70	7/8	22.22	3/16	901-195-60	701-195-60	4020-0127-476	8020-0127-476	5020-0127-476	601-195-60
1/2	12.70	1	25.40	1/4	901-196-60	701-196-60	4020-0127-635	8020-0127-635	5020-0127-635	601-196-60
19/32	15.0	53/64	21.0	1/8	901-211-60	701-211-60	4020-0150-300	8020-0150-300	5020-0150-300	601-211-60
5/8	15.87	7/8	22.22	1/8	901-197-60	701-197-60	4020-0158-317	8020-0158-317	5020-0158-317	601-197-60
5/8	15.87	1	25.40	3/16	901-198-60	701-198-60	4020-0158-476	8020-0158-476	5020-0158-476	601-198-60
5/8	16.00	15/16	24.0	5/32	901-212-60	701-212-60	4020-0016-040	8020-0016-040	5020-0016-040	601-212-60
3/4	19.00	3/4	25.0	1/8	901-160-60	701-160-60	4020-0019-030	8020-0019-030	5020-0019-030	601-160-60
3/4	19.00	1-1/16	27.0	5/32	901-213-60	701-213-60	4020-0019-040	8020-0019-040	5020-0019-040	601-213-60
3/4	19.05	1	25.4	1/8	901-160B-60	701-160B-60	4020-0019-032	8020-0019-032	5020-0019-032	601-160B-60
3/4	19.05	1-1/8	28.57	3/16	901-199-60	701-199-60	4020-0019-047	8020-0019-047	5020-0019-047	601-199-60
3/4	19.05	1-1/4	31.75	1/4	901-200-60	701-200-60	4020-0019-064	8020-0019-064	5020-0019-064	601-200-60
63/64	25.0	1-7/32	31.0	1/8	901-167-60	701-167-60	4020-0025-030	8020-0025-030	5020-0025-030	601-167-60
63/64	25.0	1-3/8	35.0	13/64	901-188-60	701-188-60	4020-0025-050	8020-0025-050	5020-0025-050	601-188-60
63/64	25.0	1-29/64	37.0	15/64	901-189-60	701-189-60	4020-0025-060	8020-0025-060	5020-0025-060	601-189-60
1	25.40	1-1/8	28.75	3/16	901-201-60	701-201-60	4020-0025-017	8020-0025-017	5020-0025-017	601-201-60
1	25.40	1-1/2	38.10	1/4	901-202-60	701-202-60	4020-0025-064	8020-0025-064	5020-0025-064	601-202-60



**Imafit™** 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 as well as Overseas market. **Imafit™** hose is manufactured under stringent quality parameters to have greater flexibility and minimum bend radius.



**APPLICATION**

- Pharmaceutical and Biotech Material Transfer
- Critical Liquid Transfer
- Load Cell and Cell Cultures
- Analytical Lab Food and Beverages
- Biotechnology

**CERTIFICATION**

- Conforms to US FDA 21 CFR 117.2600 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

**KEY FEATURES**

- 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

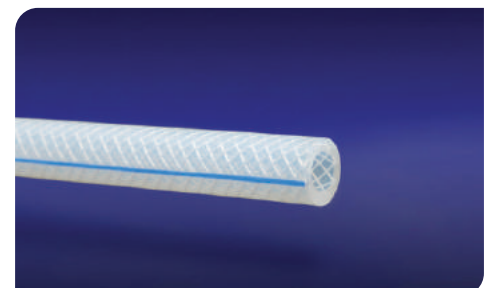
PART NO.	Size in MM (ID x OD)	Size in Inch (ID)	MAX WORKING PRESSURE IN (Bar) at 27°C	MIN BURST PRESSURE IN (Bar) at 27°C	MIN BEND RADIUS IN (MM)	VACUUM MM Hg @ 70°F/27°C
<b>0613FT</b>	6 x 13	¼"	10.0	30	50	NA
<b>0916FT</b>	9 x 16	11/32"	9.0	27	50	NA
<b>1220FT</b>	12 x 20	½"	7.0	21	80	NA
<b>1624FT</b>	16 x 24	5/8"	7.0	21	90	NA
<b>1927FT</b>	19 x 27	¾"	6.0	18	110	NA
<b>2535FT</b>	25 x 35	1"	4.0	12	160	NA
<b>3242FT</b>	32 x 42	1¼"	3.0	9	200	NA
<b>3747FT</b>	37 x 47	1½"	2.5	8	C/P	NA
<b>5062FT</b>	50 x 62	2"	2.0	6	C/P	NA

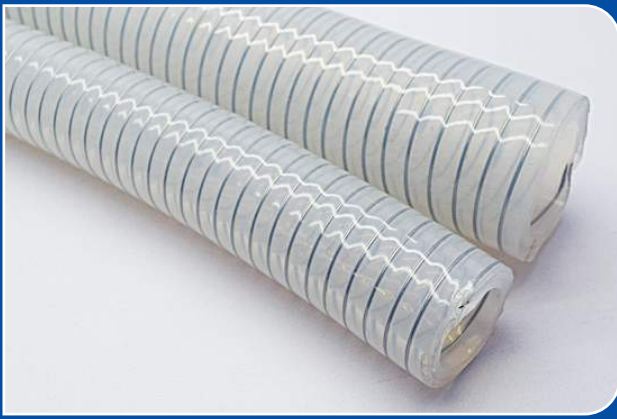
Sandwich printing technology in which fine layer of platinum cured silicone is applied over printed hose. It gives permanent print which avoids direct product contact.

Laser Etched hoses for permanent identification on outer surface of hoses. It is for ease of On-Product traceability.

Available with Nylon braid reinforcement on request.

Available with Bi-color coding strips/lining for color coding based product identification to avoid mixup while usage on request.





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

**APPLICATION**

- Pharmaceutical Processing
- Powder & Fluid Transfer
- High Vacuum Applications
- Food Processing
- Load Cell Application
- Bulk Transfer
- Biotechnology

**CERTIFICATION**

- Conforms to US FDA 21 CFR 117.2600 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)
- USFDA DMF accreditation #26201
- Complete validation package available upon request

**KEY FEATURES**

- High burst pressure resistance compare to **Imafit™**
- 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

PART 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 MM Hg @ 70°F/27°C
0613VC	6 x 13	¼"	12.0	48	50	760
0916VC	9 x 16	11/32"	11.5	48	60	760
1220VC	12 x 20	½"	10.5	45	70	760
1624VC	16 x 24	5/8"	10.0	35	80	760
1927VC	19 x 27	¾"	8.5	30	90	760
2535VC	25 x 35	1"	8.5	30	125	760
3242VC	32 x 42	1¼"	8.0	27.5	140	600
3747VC	37 x 47	1½"	7.5	25	170	600
5062VC	50 x 62	2"	6.0	22.5	240	550
6476VC	64 x 76	2½"	4.0	20	C/P	500
7587VC	75 x 87	3"	3.0	15	C/P	400
100122VC	100 x 112	4"	2.0	10	C/P	400

- Laser Etched hoses for permanent identification on outer periphery surface of hoses.
- Available with SS 316L Tri-Clover fittings.







**Imavacfit™** is platinum cured silicone hose reinforced with SS 316L helical wire and polyester braiding having better flexibility with high pressure resistance. **Imavacfit™** is having high burst pressure rating along with high vacuum resistance compare to **Imavac™**. The product is suitable in pressurized fluid transfer application.



**APPLICATION**

- Pharmaceutical Processing
- Powder and Fluid Transfer
- High Vacuum Pump Applications
- Food Processing
- Load Cell Application
- Biotechnology
- Bulk Transfer
- Fermentations and Bioreactors

**CERTIFICATION**

- Conforms to US FDA 21 CFR 117.2600 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 DMF accreditation #26201
- Complete validation package available upon request

**KEY FEATURES**

- Having high burst pressure resistance compare to **Imafit™** & **Imavac™**
- 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

PART 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 MM Hg @ 70°F/27°C
<b>0613VF</b>	6 x 13	¼"	12.5	48.5	60	760
<b>0916VF</b>	9 x 16	11/32"	12.0	48.0	70	760
<b>1220VF</b>	12 x 20	½"	11.0	41.5	70	760
<b>1624VF</b>	16 x 24	5/8"	10.5	36	85	760
<b>1927VF</b>	19 x 27	¾"	9.0	34.5	95	760
<b>2535VF</b>	25 x 35	1"	8.5	34.5	140	760
<b>3242VF</b>	32 x 42	1¼"	8.5	34.5	150	600
<b>3747VF</b>	37 x 47	1½"	7.5	32	175	600
<b>5062VF</b>	50 x 62	2"	6.5	28	245	550
<b>6476VF</b>	64 x 76	2½"	4.1	20.5	C/P	500

- Laser Etched hoses for permanent identification on outer periphery surface of hoses.
- Available with SS 316L Tri-Clover fittings.
- Can be available in different color on request







**Imawrap™** is platinum cured silicone hose reinforced with SS 316L helical wire and 2-3 layers of polyester fabric wrapping. **Imawrap™** 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 industries.

**APPLICATION**

- Pharmaceutical Processing
- Food Processing
- Load Cell Application
- CIP, WFI Transfer Application
- Bulk Powder Transfer
- Fermentations and Bioreactors
- High Pressurized Steam Transfer Application

**CERTIFICATION**

- Conforms to US FDA 21 CFR 117.2600 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 DMF accreditation #26201
- Complete validation package available upon request

**KEY FEATURES**

- 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-Clover end
- Sterilizable by Autoclave, Ethylene Oxide Gas & Gamma Radiation

PART 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 MM Hg @ 70°F/27°C
0613WP	6 x 13	¼"	18.5	38	60	760
0916WP	9 x 16	11/32"	18.0	38	70	760
1220WP	12 x 20	½"	16.0	34	80	760
1624WP	16 x 24	5/8"	14.0	34	90	760
1927WP	19 x 27	¾"	12.0	34	100	760
2535WP	25 x 35	1"	10.5	32	120	760
3242WP	32 x 42	1¼"	10.0	32	180	500
3747WP	37 x 47	1½"	10.0	30	220	400
5062WP	50 x 62	2"	8.0	24	300	300
6476WP	64 x 76	2½"	6.0	18	350	C/P
7587WP	75 x 87	3"	5.0	15	C/P	C/P
100122WP	100 x 112	4"	5.0	15	C/P	C/P

- Laser Etched hoses for permanent identification on outer periphery surface of hoses.
- Available with SS 316L Tri-Clover fittings.





**Imaflexxie™** is PTFE tubing covered with SS 304 braid reinforcement having outer layer of platinum grade silicone. **Imaflexxie™** 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 particulates. The outer layer of silicone cover acts as insulation to high temperature and keeps outer surfaces dust free.

**APPLICATION**

- Pharmaceutical Processing
- Food Processing
- High Pressure Fluid Transfer
- High Temp. Fluid Transfer
- Cosmetic Industries

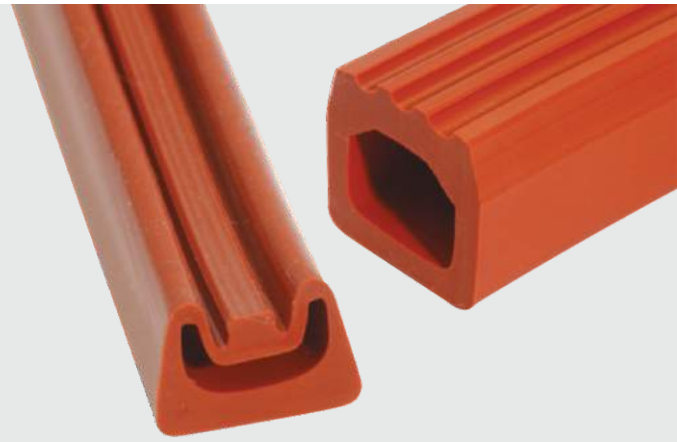
**CERTIFICATION**

- Conforms to US FDA 21 CFR 117.2600 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 DMF accreditation #26201
- Complete validation package available upon request

**KEY FEATURES**

- 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

PART 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 MM Hg @ 70°F/27°C
0613FX	6 x 13	¼"	125	375	80	NA
0916FX	9 x 16	11/32"	100	300	130	NA
1220FX	12 x 20	½"	90	270	170	NA
1624FX	16 x 24	5/8"	80	240	200	NA
1927FX	19 x 27	¾"	50	150	220	NA
2535FX	25 x 35	1"	40	120	350	NA
3242FX	32 x 42	1¼"	35	105	400	NA
3747FX	37 x 47	1½"	35	105	C/P	NA
5062FX	50 x 62	2"	30	90	C/P	NA



**Imaseal™** is made from advance grade 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.

**Applications**

- ✓ Fluid Bed Dryers/Processors/Coaters
- ✓ Autoclaves, Sterilizers
- ✓ Isolators, Glove Box
- ✓ 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:**

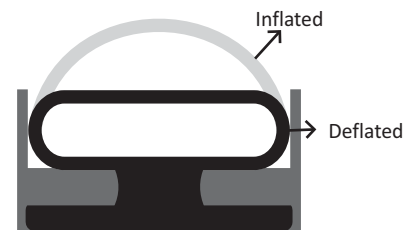
- ✓ Pharmaceuticals
- ✓ Biotech
- ✓ Food Process
- ✓ Engineering
- ✓ Defence
- ✓ Aerospace

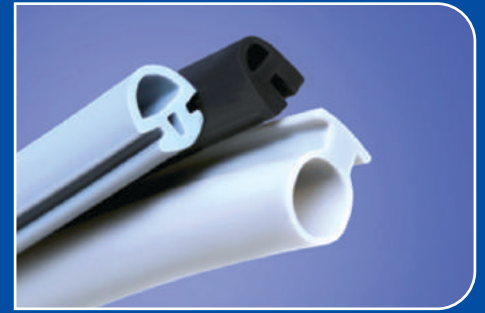
**Speciality:**

- ✓ 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





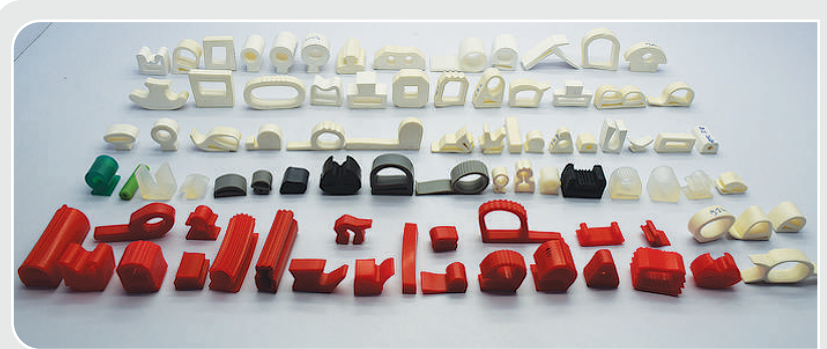
"We can also make the extruded door gaskets as per customers requirements"

APPL offers a wide range of silicone extruded door gaskets in more than 1000 different shapes and designs. (In round and square types). APPL's 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.

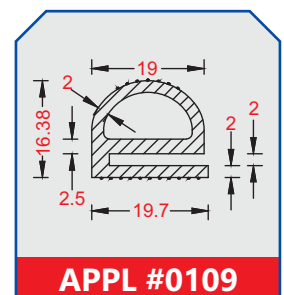
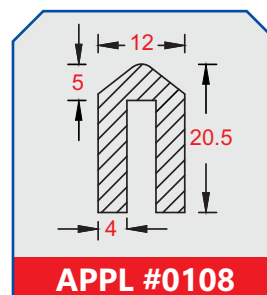
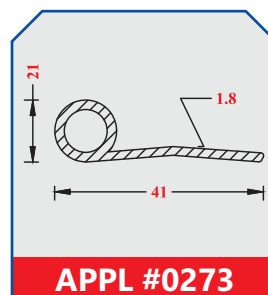
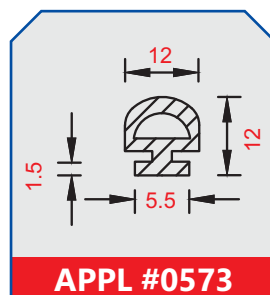
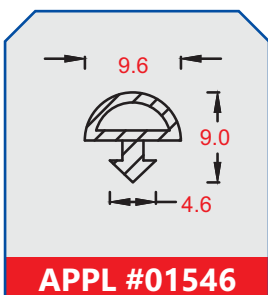
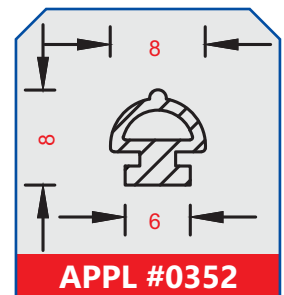
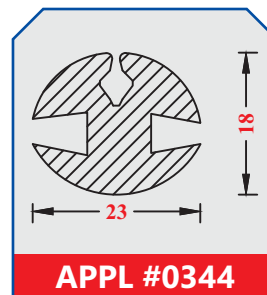
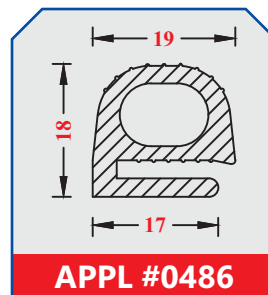
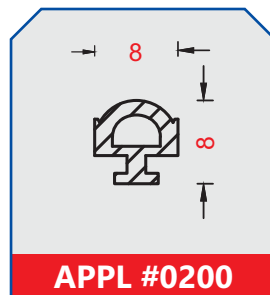
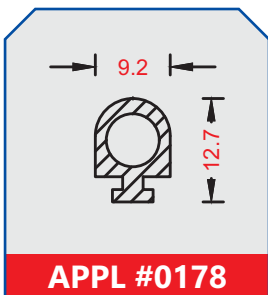
APPL's extruded gaskets are available in square cross sections like 6mm x 6 mm, 8mm x 8mm, 10mm x 10mm, 20mm x 20mm, 25mm x 25mm etc. with OR without hollow. These gaskets are available in Red, White, Orange or any color as per customer's requirement. We also undertake small and bulk order for these gaskets from 25 Mtrs to 25000 Mtrs. APPL's extruded gaskets are manufactured from fully automatic microwave continuous curing system which ensures accurate dimensional properties, glossy surface finishes and aesthetically beautiful colors.

**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



**Few of Our Extruded Door Gaskets Design**





EPDM sponge strip plays a crucial part in sealing & spacing throughout a multitude of different industrial sectors. Strips that are manufactured from EPDM sponge make ideal seals against any ingress of water or air. EPDM sponge strip have a closed cell structure & therefore don't allow any liquid, gases or air to pass through them, creating a perfect airtight seal on your products. The compression of the EPDM sponge base material allows for uneven surfaces to be securely sealed once clamped down onto. EPDM sponge has excellent resistance to UV and ozone & therefore is widely used in external applications when parts will be subject to weathering. EPDM Sponge is a relatively cheap sponge material choice making it a cost effective solution to most sealing application.



## Advantage of EPDM self Adhesive Strip

Easy to install, just peel off the self adhesive backing. The adhesive backing tape used is not fully resistance to water, therefore where there is a large amount of moisture or water present; it is advisable to use plain expanded EPDM & a good conduct adhesive. EPDM provide excellent resistance against oil, acid & alkalis & has good weathering, heat & ozone resistance.

## Technical Properties (Summary)

Material	: EPDM Sponge
Color	: Any
Density	: 0.65 g/cm <sup>3</sup>
Shore Hardness	: 45±5 (Shore '00') / <5 (Shore 'A')*
Tensile Strength	: 14 n/mm <sup>2</sup>
Elongation at Break	: 110%
Min. Temperature	: -30°C
Max. Temperature	: +110°C
Ozone Resistance	: No Crack 200pphm x 40C x 72h 20%
Compression Set	: 16%



## Highlighted Points

- Small & large quantities of EPDM sponge strip available. We are manufacturing EPDM sponge strip in both small runs & large runs, so regardless of the size of your order **APPL** can deliver any size.
- EPDM sponge strips is currently supplied in two different colors: Black, White, Gray, Green, Red, Brown, etc. Our EPDM sponge strips compress when pressure is applied to them, meaning that when two mating surface are put either side of the strip, that a seal is created.
- Bespoke & custom EPDM sponge strip available. We can produce cut lengths to fit a particular design, or even join standard 25 meter rolls to provide longer roll lengths if required.
- Various densities of EPDM sponge strip. Our standard range of EPDM sponge strips are supplied in a medium density, but firm grades as well as softer grades are also readily available depending on the application. Firm grade EPDM sponge strip are supplied mainly when two heavy surfaces are clamping down onto the strip, but only little compression is required to seal





## Imaclamp™ - (Silicone/Viton®/EPDM)

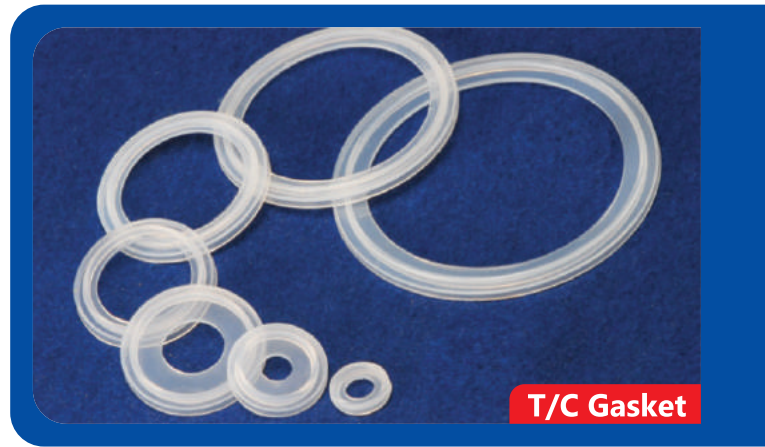
- ✓ Made from Platinum Cured Silicone Rubber
- ✓ Conforms to FDA 21 CFR.177.2600
- ✓ Conforms to USP Class VI Requirements
- ✓ Animal Derived Ingredient Free
- ✓ Silicone Tri-Clover Gaskets are available with collar for better grip and also without collar
- ✓ Available in Red/Orange/White & Transparent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

## Types of Imaclamp™

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

## Standard Size

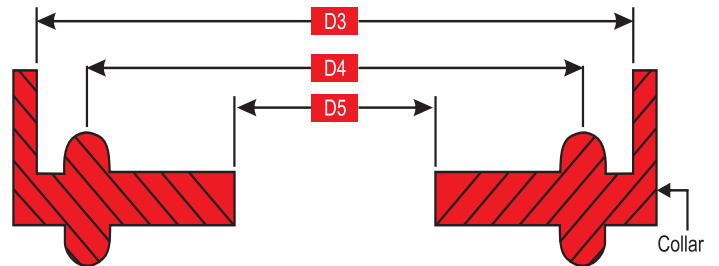
Normal Size	D3	D4	D5
½"	34.0	27.5	10.9
½" A (Mini)	22.0	17.0	09.5
¾"	34.0	27.5	15.4
1"	50.5	43.5	22.8
1 ½"	50.5	43.5	35.8
2"	64.0	56.5	48.8
2 ½"	77.5	70.5	60.5
3"	91.0	83.5	73.1
4"	118.0	110.0	96.0



T/C Gasket



Mesh T/C Gasket



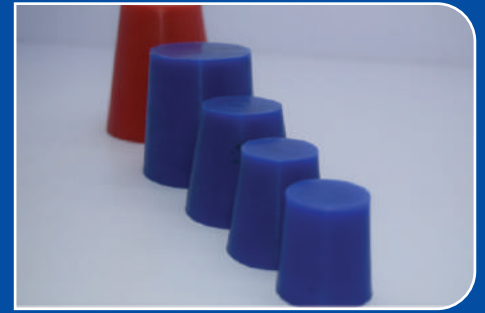
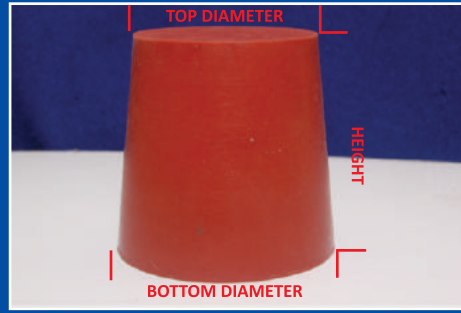
## Cords, Strips and Gaskets (Silicone/Viton®/EPDM)

APPL 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 as well as from microwave continuous curing system depending upon the customers requirements. 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.

## Silicone Cork (For Laboratory Glasswares)



### FEATURES & BENEFITS :

- ✓ Made from FDA-sanctioned ingredients
- ✓ Manufactured using FDA 21 CFR 177.2600 specifically for laboratory and medical use.
- ✓ Able to resist extreme temperature variation :- 80°C to 250°C

### PHYSICAL PROPERTIES :

- ✓ Hardness, 70 ±5 Shore A
- ✓ Tensile Strength, Kg/Cm<sup>2</sup> : 95 Min
- ✓ Elongation at Break, % : 300% Min
- ✓ Brittle Temperature : -80°C
- ✓ Max. Operating Temperature : 250°C

Bottom Diameters in (MM)	Top Diameters in (MM)	Height in (MM)	Catalogue #
14	10	38	2175
15	10	20	13/09033
20	15	20	13/0911
30	20	30	13/0905
35	30	35	13/0904
40	30	40	13/0902
50	35	45	1127
50	40	50	781
59	50	57	13/919
60	50	60	1909
62	49	43	782
63	47	44	1400
68	48	65	13/0011
29	21	28	4579
33	27.5	34	4557
38	30	37	475
59	49	51	13/0655
60	50	45	686
66	48	50	4591
69.5	46	76	13/0167
95	83	65	

## Silicone Autoclavable Gaskets

### AUTOCLAVE GASKETS FEATURE :

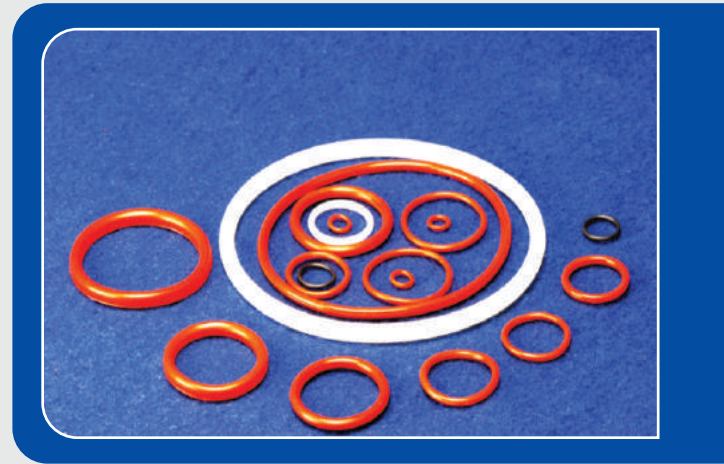
- ✓ Autoclavable Gaskets for PharmaLab/ Machinefabric/Fedegari or custom built.
- ✓ Autoclavable Gasket are also available as inflatable gasket.
- ✓ Excellent joint finishing from european technology of manufacturing.



**AUTOCLAVE GASKETS**

**APPL** offers its wide range of O-Rings from 1.0 mm ID to 600 mm ID from its 5000 single piece moulds. **APPL'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 - 3000 mm ID or in any sizes through step moulding process which gives joint less O-Rings of dimensionally accurate & excellent workmanship and finish.

## APPLICATION

- ✓ Filter Housings
- ✓ Membrane Filter Holder
- ✓ Heat Exchangers
- ✓ RMG Discharge Port
- ✓ Pneumatic Cylinders
- ✓ Spray Guns
- ✓ Other Sealing Applications

## FEP Encapsulated O-Rings

**APPL's** Silicone, Viton® & EPDM Encapsulated O-Rings with FEP encapsulation are designed to address the growing problem of sealing in the most hostile chemical and temperature environments. It combines the best qualities of FEP material on the outside with its chemical inertness and an elastomer on the inside for resilience. This unique combination forms a highly effective, long lasting seal for the most demanding applications.

This O-Rings are comprised of FEP over Silicone, Viton® or EPDM & can be used in temperatures from -75° to +400°F (- 60° to +205°C) depending upon the choice of elastomercore.

### Why are Encapsulated O-Rings needed?

There are certain applications which prohibit the use of conventional rubber O-Ring seals. The use of hostile chemicals or extreme temperature (both high and low) during various processes can make effective sealing very difficult. The main advantage encapsulated O-Rings have over solid P.T.F.E. is that it has the chemical inertness whilst with its energising core, the O-Ring returns to its original form.

## APPLICATION

- ✓ Agitated Natsch Filter Dryer (ANFD)
- ✓ Reactors
- ✓ Solvent Container Lid
- ✓ Centrifuge Lid





## Silicone Sleeves for Corona Treater



**APPL's** di-electric silicone sleeve manufactured from a very specific silicone rubber compound, providing excellent electrical, thermal and chemical resistance, making it ideally suited to the harsh environment that is the corona treatment process. **APPL's** silicone sleeves are produced specifically as an electrical dielectric sleeve and is manufactured to extremely close tolerance, ensuring reliable and consistent corona treatment performance.

**APPL'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.

### Standard Available Size

Roller Diameter	ID	Wall Thickness
2" - 50MM	48	3
2.5" - 60MM	58	3
3" - 76 MM	72	3
4" - 100MM	98	3
5" - 125MM	120	3
6" - 150MM	146	3
8" - 200 MM	190	3

### Physical Properties

Property	Unit
Hardness	60 +/- 5 Shore A
Di-Electric Strength	22 KV / mm
Temperature Range	-80 C to +250 C
Tensile Strength	250 % Min.
Colors	Translucent, Red, Orange, Skyblue, Blue
Di-electric Constant	2.90 to 3.20
Compression Set	% tba



## Rubber Sheets (Silicone/Viton®/EPDM/Neoprene)

**APPL'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. **APPL'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
<b>1 FEET X 1 FEET</b>		
SILICONE	1MM	20MM
FKM/VITON	2MM	12MM
SILICONE SPONGE	3MM	12MM
<b>2 FEET x 2 FEET</b>		
SILICONE	2MM	12MM
FKM/VITON	2MM	12MM
SILICONE SPONGE	3MM	12MM
<b>1 METER X 1 METER</b>		
SILICONE	1MM	12MM
FKM/VITON	2MM	12MM
<b>1 METER X 10 METER</b>		
SILICONE	1MM	6MM
<b>1.2 METER X 10 METER</b>		
SILICONE	1MM	6MM



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.

## 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 & consistency
- ✓ Suitable for biomedical/pharma application

## FEATURES & BENEFITS :

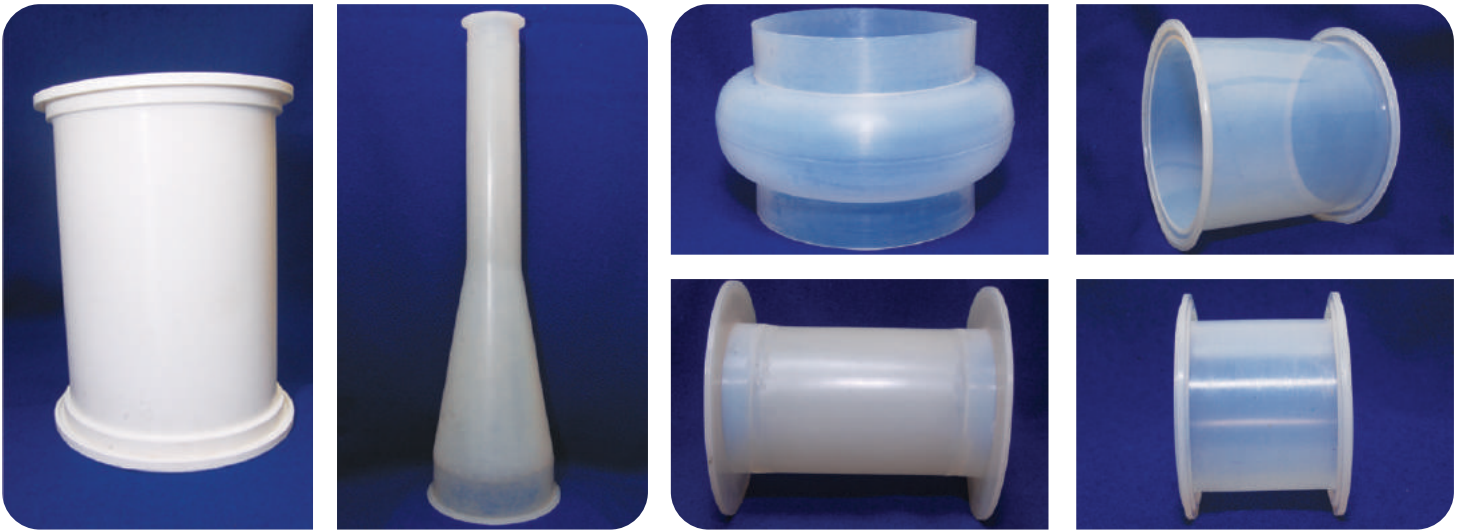
- ✓ Flush Bottom Valves
- ✓ Zero Dead Leag Valves
- ✓ Diaphragms Valves
- ✓ Pressure Regulation
- ✓ Back Pressure Valves



**VARIOUS TYPES OF DIAPHRAGMS IN SILICONE/EPDM/VITON®**



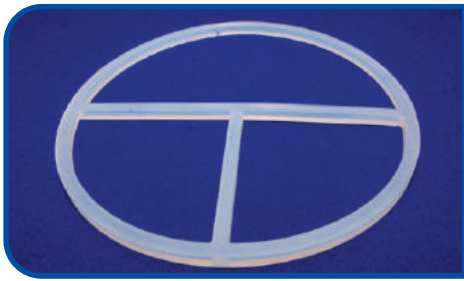
## Silicone Bellows For Powder Transfer System



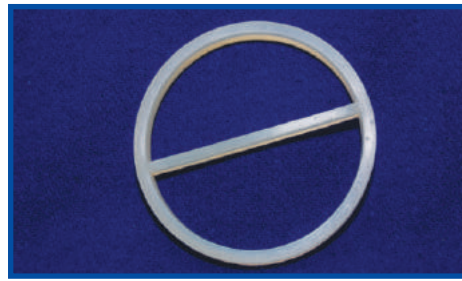
## Silicone Bellows For Tablet Compression Machine



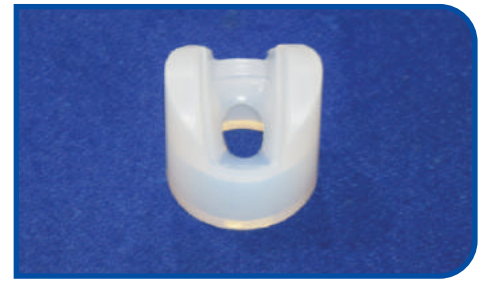




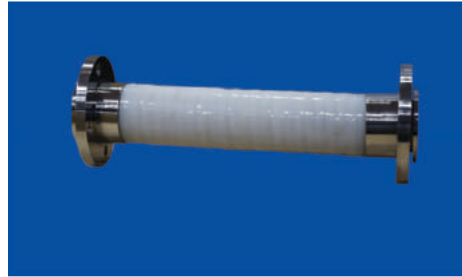
**T PARTITION GASKETS**



**PARTITION GASKETS**



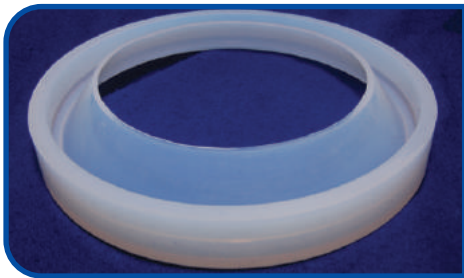
**SILICONE MOUTHPIECE**



**DOUBLE BRAIDED HOSE**



**MEDICAL & SURGICAL COMPONENTS**



**SILICONE HOPPER GASKETS**



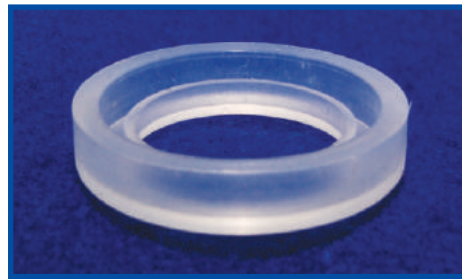
**SILICONE HOPPER GASKETS**



**SILICONE HOPPER GASKETS**



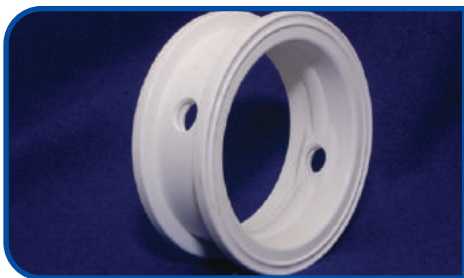
**SILICONE DUST CUP (D & B TOOLING)**



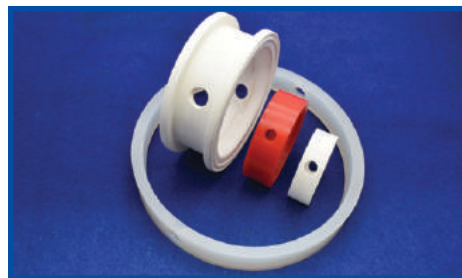
**SILICONE DUST CUP (D & B TOOLING)**



**SILICONE TIPS**



**BUTTERFLY VALVES GASKETS -  
IN SILICONE/VITON®/EPDM**



**BUTTERFLY VALVES GASKETS -  
IN SILICONE/VITON/EPDM**



**BUTTERFLY VALVES GASKETS -  
IN SILICONE/VITON/EPDM**



**SILICONE SUCTION CUPS**



**SILICONE SUCTION CUPS**



**SILICONE (TIRES & BANDS)**



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