



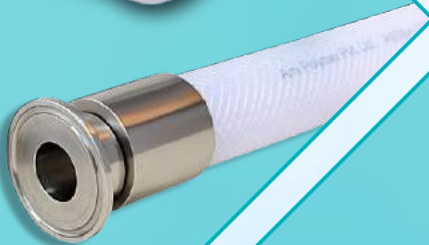
TM

Ami Polymer Pvt. Ltd.

“Sealing Expert in Silicone”

TUV Nord Certified ISO 9001:2015, 14001:2015 & BS OHSAS18001:2007 &
Clean Room Class 10000 Certified Manufacturing facility

**Specialized in
Platinum Cured Silicone Tubes,
Braided Hoses &
Inflatable Seals/Gaskets**



TOXIKON
ADVANCING YOUR INNOVATION

TOXIKON LAB BASED
E & L STUDIES



www.amipolymer.com



Ami Polymer Pvt. Ltd. started its operation in 1996 to manufacture a wide range of silicone rubber products for the most precious and 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 and 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 FKM, EPDM, Nitrile, Neoprene, TPE and PTFE products.

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

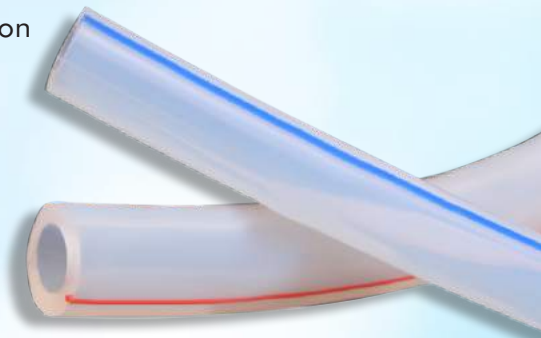
Our Strength

- ▲ **DMF #26201 (Drug Master File) for manufacturing of Silicone Tubes and Hoses accredited by USFDA.**
- ▲ **Clean Room of Class 10000 Certified Facility.**
- ▲ **NSF-51 Certification** on Platinum Cured Silicone Resin (84% Standards of USFDA are derived from NSF).
- ▲ **TOXIKON Lab (USA)** based E&L study, USP class 87, ISO 10993 biocompatibility studies on products.
- ▲ **TUV Nord Certified ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007.**
- ▲ Excellence Award among Top 50 SME companies of 2016 by **ASSOCHAM.**
- ▲ A dedicated strength of **275+ employees** which includes Qualified Rubber Technologists and Engineers.
- ▲ High Performance Capability and Credit Rating of **MSE-2 from CRISIL.**
- ▲ Advance R&D Facility and Lab with Latest Equipments.
- ▲ Sound Infrastructure and 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.
- ▲ Most advanced fully automatic Microwave Continuous Curing System which ensures Accurate Dimension, Glossy Surface and Aesthetically Finished Profiles.
- ▲ Well equipped tool room with CNC and VMC machines.
- ▲ In-house Hose Crimping and Hydrotest testing Facility.
- ▲ Laser controlled manufacturing system for accurate dimension of tubing/profiles.
- ▲ Successfully developed 5000+ customized products and having 3000+ satisfied customer globally.



Product Range

- ▲ Silicone Transparent Tubes (Peroxide and Platinum Cured)
- ▲ Silicone Transparent Braided Hose (Platinum Cured)
- ▲ FKM Cords and Tubes
- ▲ Thermoplastic Elastomer Tubes (TPE Tube)
- ▲ FEP Tubes and Coiled/Spiral FEP Tubes
- ▲ Silicone Antistatic Tubes and Hoses
- ▲ Silicone Vacuum and High Pressure Hoses
- ▲ Silicone Bi-color/Color Coded Tubes
- ▲ Silicone Autoclave Gaskets
- ▲ Silicone Inflatable 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 and Square Type) - Silicone, FKM, EPDM
- ▲ Extruded Profiles - Silicone, FKM, EPDM
- ▲ Silicone Antistatic Gaskets
- ▲ Butterfly 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 Sleeve for Corona Treater Application
- ▲ 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)



Imapure®

Platinum Cured Silicone Tube (Regulatory Market)

Imapure® is platinum cured silicone tubing designed for peristaltic pump and fluid transfer process in pharmaceutical and biotech industries. **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 and world class platinum grade silicone resin.
- ✦ Manufactured and packaged in clean room class of 10000 facility audited by **TUV Nord**.
- ✦ Inspected by Laser online inspection device to maintain critical dimensional consistency.
- ✦ Excellent flexibility along with flex crack resistance.
- ✦ Excellent transparency with no odor and taste which enhances shelf life.
- ✦ Excellent biocompatibility due to inertness to tissues and cells.

COMPLIANCE & CERTIFICATIONS

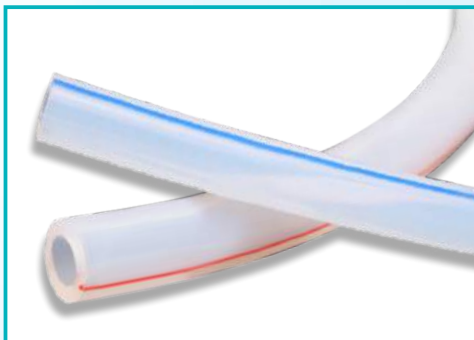
 FDA 21 CFR 177.2600	 USP CLASS VI	 ADVANCING YOUR INNOVATION Extractables Leachables	 E.P. 3.1.9	 USP CLASS 87 (IN VITRO)	 DMF# 26201
 Risiken erkennen – Gesundheit schützen GERMAN BFR XV	 ISO 10993-3 GENOTOTOXICITY	 ISO 10993-10 SENSITIZATION	 BPA free	 FRANCE ARRETE DU 25	 ISO 10993- 4 HEMOLYSIS
 ISO 10993-11 SYSTEMIC TOXICITY	 RoHS Compliant	 NSF NSF-51 CERTIFIED SILICONE RESIN	 ISO 10993- 5 CYTOTOXICITY	 TSE FREE BSE	 PHTHALATE FREE

Validation pack available upon request.

Covers Manufacturing Process, Physical Properties, MSDS, Chemical Compatibility Chart, Toxicological Studies, Biocompatibility Studies, Extractable Studies.



LASER BASED AUTO INSPECTION DEVICE

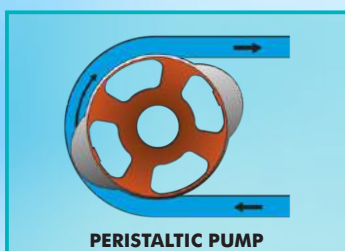


COLOR CODED TUBING FOR IDENTIFICATION



PERMANENT LASER PRINTING AVAILABLE WITH STERILIZABLE PACKAGING

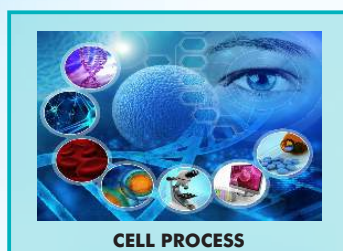
TUBING APPLICATIONS



PERISTALTIC PUMP



DRUG DELIVERY SYSTEM



CELL PROCESS



LABORATORY APP.



BIO-PHARMA PROCESS



FOOD AND BEVERAGES



MEDICAL APPLICATION



VIALS FILLING

STORAGE GUIDELINES

- ▲ Store in cool and dry place
- ▲ Keep away from sunlight
- ▲ Shelf life 3 years from mfg. date
- ▲ Available in sterilizable packaging

STERILIZATION METHODS

STEAM
GAMMA
ETO



Antistatic Silicone Tube

Antistatic silicone tubing is specially developed to remove static electric charge while transfer of flammable fluid. Antistatic tubing is successfully tested for food grade FDA 21 CFR 177.2600 Test.

Specially developed Static Dissipative Formulation (10^7 to $10^9 \Omega\text{-cm}$)



Imatech™

Platinum Cured Silicone Tube (Non-Regulatory Market)

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 all technical requirements related to non-regulatory market.

CHARACTERISTICS

- ▲ Manufactured by using general purpose platinum grade silicone rubber.
- ▲ Manufactured and packaged in clean room of class 10000 facility audited by **TUV Nord**.
- ▲ Better fluid transfer characteristics compare to peroxide silicone tubing.
- ▲ Available with FDA approved silicone based color coding.
- ▲ Better transparency and higher shelf life compare to peroxide tubing.
- ▲ Free of any heavy metals and hazardous substances.

APPLICATIONS

- ▲ Peristaltic pump based fluid transfer
- ▲ Chemical and analytical analysis
- ▲ Sanitary application
- ▲ Drug delivery and sampling
- ▲ Food and beverages transfer

STERILIZATION METHODS

STEAM
GAMMA
ETO

Platinum Cured Silicone Tubing Comparison Chart



SPECIFICATIONS	Imapure®	Imatech™
Intended Market	Regulatory	Non-Regulatory
Silicone Raw Material Grade	Critical Purpose	General Purpose
NSF-51 Certification on Resin	Available	Not Available
Extractable and Leachable Studies	TOXIKON Lab USA	Domestic Lab
DMF Registration Letter	Available	Not Available
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/Bisphenol Free COA	Available	Available
RoHS Certification	Available	Available
TSE/BSE Certification	Available	Available
Physical Property 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
Genotoxicity Test (ISO 10993-3 Biocompatibility Standard)	Available	Not Available
Hemocompatibility Test (ISO 10993-4 Biocompatibility Standard)	Available from TOXIKON Lab	Not Available
Cytotoxicity Test (ISO 10993-5 Biocompatibility Standard)	Available from TOXIKON Lab	Not Available
Sensitization Test (ISO 10993-10 Biocompatibility Standard)	Available	Not Available
Manufacturing Environment of Product	Clean Room ISO Class 7	Clean Room ISO Class 7
Shelf Life	3 Years	3 Years
Price	--	Competitive



Imaprene®

Thermoplastic Elastomer Tube

Imaprene® is pharmaceutical grade thermoplastic elastomer tubing compatible with various alcohol based solvents used in pharma industry. **Imaprene®** is opaque tubing especially known for its excellent flexibility and flex crack resistance.

CHARACTERISTICS

- ▲ Manufactured by using world class thermoplastic elastomer.
- ▲ Manufactured and packaged in clean room of class 10000 facility audited by **TUV Nord**.
- ▲ Excellent chemical and solvent resistance.
- ▲ Superior flex crack resistance for peristaltic pump performance.
- ▲ Smooth bore to ensure less contamination.
- ▲ Free of plasticizers like phthalate/bisphenol-A.
- ▲ Non-toxic, non hemolytic.

Suitable for Alcohols



COMPLIANCE & CERTIFICATIONS

 FDA 21 CFR 177.2600	 USP CLASS VI	 Extractables Leachables	 BPA free	 PHTHALATE FREE	 USP CLASS 87 (IN VITRO)
 ISO 10993-11 SYSTEMIC TOXICITY	 RoHS Compliant	 ISO 10993- 5 CYTOTOXICITY	 TSE FREE BSE	 ISO 10993- 4 HEMOLYSIS	 Plasticizer Free

Validation pack available upon request.

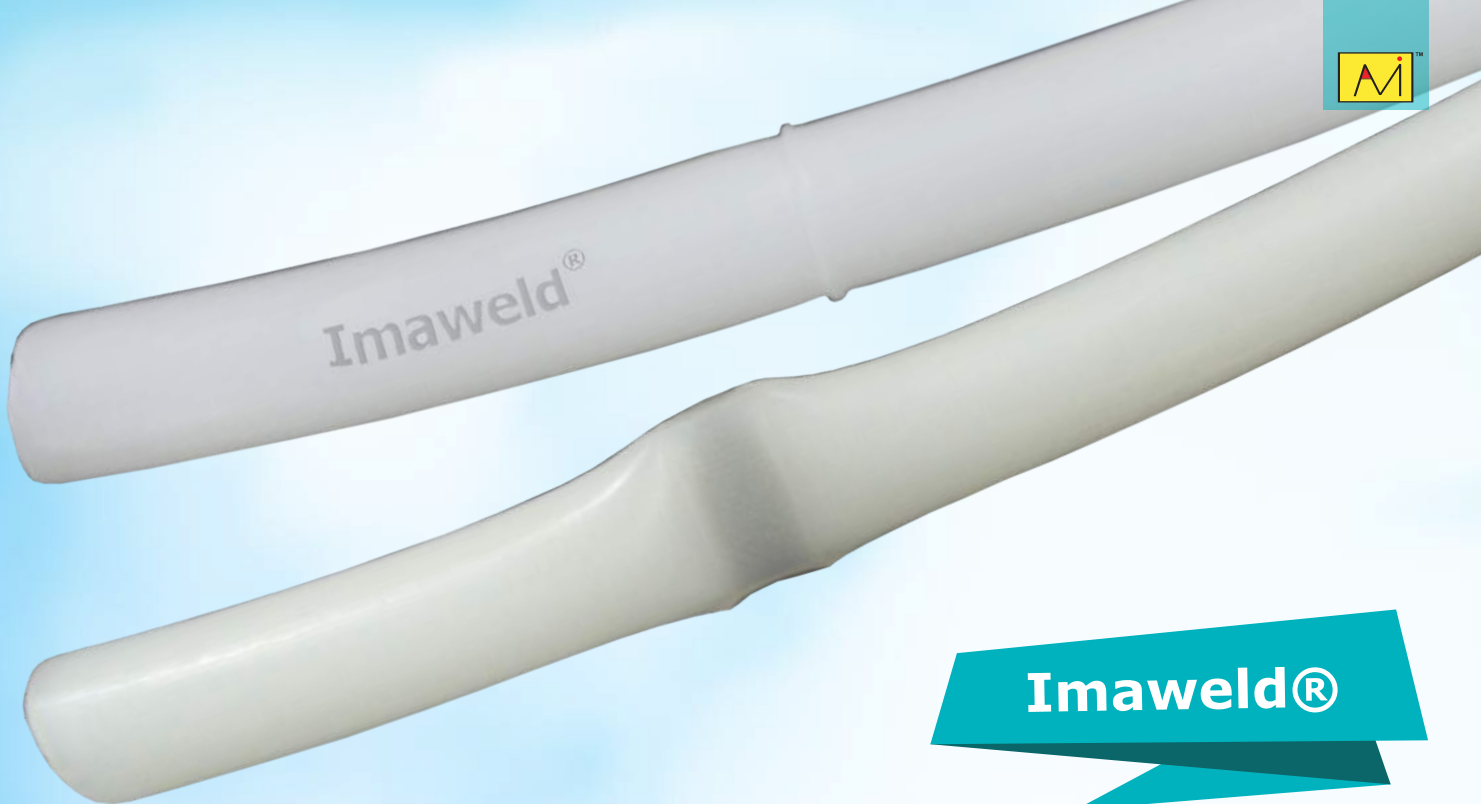
Covers Manufacturing Process, Physical Properties, MSDS, Chemical Compatibility Chart, Toxicological Studies, Biocompatibility Studies, Extractable Studies.

APPLICATIONS

- ▲ Peristaltic pump based fluid transfer
- ▲ Fermentation process
- ▲ Vaccine transfer
- ▲ Alcohol based formulation transfer

STERILIZATION METHODS

- STEAM
- GAMMA
- ETO



Imaweld®

Thermoplastic Elastomer Tube with Heat Sealable and Weldable Properties

Imaweld® is thermoplastic elastomer tubing designed for cell culture process in biotech industries. It is widely used in biopharma applications to transfer critical fluids. **Imaweld®** is specially formulated to have heat sealing and welding properties.

CHARACTERISTICS

- ▲ Free of any toxic ingredients, successfully meets toxicity free requirements.
- ▲ Manufactured and packaged clean room of class 10000 facility audited by **TUV Nord**.
- ▲ Heat sealable and weldable to facilitate sterile connection.
- ▲ Good flexibility and surface finish.
- ▲ Excellent acid and alkali resistance.
- ▲ Smooth bore surface to eliminate particle entrapment.
- ▲ Custom dimension and length size available.
- ▲ Available in opaque white (**Imaweld® – W**) and Transparent color (**Imaweld® – T**).

COMPLIANCE & CERTIFICATIONS

 FDA 21 CFR 177.2600	 USP CLASS VI	 Extractables Leachables	 BPA free	 PHTHALATE FREE	 USP CLASS 87 (IN VITRO)
 ISO 10993-11 SYSTEMIC TOXICITY	 RoHS Compliant	 ISO 10993- 5 CYTOTOXICITY	 TSE FREE BSE	 ISO 10993- 4 HEMOLYSIS	 Plasticizer Free

Validation pack available upon request.

Covers Manufacturing Process, Physical Properties, MSDS, Chemical Compatibility Chart, Toxicological Studies, Biocompatibility Studies, Extractable Studies.

APPLICATIONS

- ▲ Cell culture processing
- ▲ Bio-pharma and fermentation application
- ▲ Biosimilar product manufacturing
- ▲ Microbiological Application

STERILIZATION METHODS

- STEAM
- GAMMA
- ETO



Imachemton®

FKM Rubber Tube

Imachemton® is fluoropolymer 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.
- ▲ Manufactured in clean room of class 10000 facility.
- ▲ Double polybag packaged in standard pack size of 25 mtr . (custom packing sizes available)
- ▲ Greater flame and fire resistance.
- ▲ Available in 60 Shore A & 70 Shore A hardness
- ▲ Service temperature -15°C to +250°C.



COMPLIANCE & CERTIFICATIONS

 FDA 21 CFR 177.2600	 USP CLASS VI		
			

Validation pack available upon request.

Covers Manufacturing Process, Physical Properties, MSDS, Chemical Compatibility Chart, Toxicological Studies, Biocompatibility Studies, Extractable Studies.

APPLICATIONS

- ▲ Corrosive chemical transfer
- ▲ Chlorinated, fluorinated chemical transfer
- ▲ Chemical and analytical analysis
- ▲ Fuel and oil industries

STERILIZATION METHODS

- STEAM
- GAMMA
- ETO



Imapex™

Peroxide Cured Silicone Tube

Imapex™ is Peroxide Grade silicone Tubing is designed for general, non-critical and engineering applications. **Imapex™** is translucent silicone tubing having good flexibility and resiliency. It is suitable for peristaltic pump applications for non-critical fluid transfer.

It meets with food grade requirements as per FDA 21 CFR 177.2600

CHARACTERISTICS

- ▲ Manufactured by using high quality peroxide grade silicone rubber.
- ▲ Manufactured and packaged in dust free environment of facility audited by **TUV Nord**.
- ▲ Odorless and tasteless.
- ▲ Good physical properties like compression set and tensile strength.
- ▲ Good flex fatigue resistance enhances peristaltic pump life.
- ▲ Available with FDA compliant color coding for ease of identification.
- ▲ Temperature resistance -80°C to +230°C.
- ▲ Free of BPA and phthalate.

COMPLIANCE & CERTIFICATIONS

 FDA 21 CFR 177.2600				
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STORAGE GUIDELINES

- ▲ Store in cool and dry place
- ▲ Keep away from sunlight
- ▲ Shelf life 3 years from mfg. date
- ▲ Available in sterilizable packaging

STERILIZATION METHODS



STEAM
GAMMA
ETO



Imafep™

FEP (Fluorinated Ethylene Propylene)/Fluoropolymer Tube

Imafep™ is (Fluorinated Ethylene Propylene) tubing designed for highly corrosive fluid transfer in pharmaceutical industry. **Imafep™** is specially formulated to have transparent wall which meets with global food and pharma grade standards.

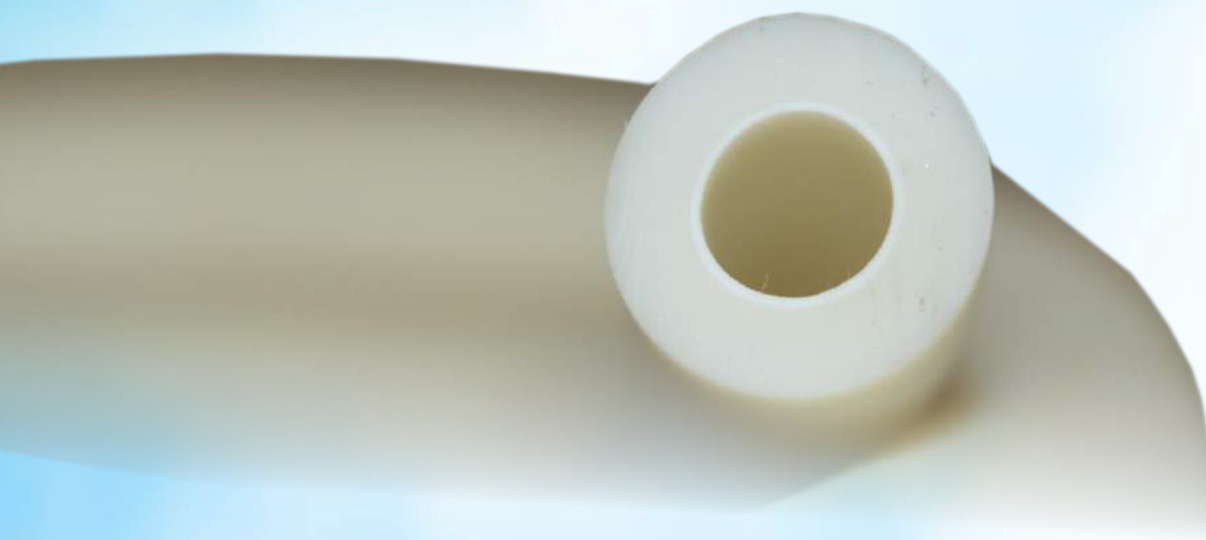
CHARACTERISTICS

- ✦ Double polybag packaged in clean room of class 10000 facility.
- ✦ Good flexibility compared to PTFE tubing.
- ✦ Transparency facilitate fluid flow visibility.
- ✦ Excellent acid and alkali resistance.
- ✦ Ultra-smooth bore surface to eliminate particle entrapment.
- ✦ Custom dimension and length size available.
- ✦ Steam, ETO and Gamma radiation sterilizable.
- ✦ Thermally resistant up to 210°C.

COMPLIANCE & CERTIFICATIONS

 FDA 21 CFR 177.1550	 USP CLASS VI		
 ISO 10993-11 SYSTEMIC TOXICITY	 TSE FREE BSE		

SIZE					CATALOGUE NO.	SIZE					CATALOGUE NO.
ID		OD		THICKNESS		ID		OD		THICKNESS	
MM	INCH	MM	INCH	MM		MM	INCH	MM	INCH	MM	
2.0	5/64	4.0	5/32	1.0	IFP-020-040	6.0	15/64	8.0	5/16	1.0	IFP-060-080
3.0	1/8	5.0	13/64	1.0	IFP-030-050	8.0	5/16	10.0	25/64	1.0	IFP-080-100
3.2	1/8	6.4	1/4	1.6	IFP-032-064	10.0	25/64	12.0	15/32	1.0	IFP-100-120
4.0	5/32	6.0	15/64	1.0	IFP-040-060	11.2	7/16	12.7	1/2	0.75	IFP-112-127
4.8	3/16	6.4	1/4	0.8	IFP-048-064	12.0	15/32	14.0	35/64	1.0	IFP-120-140



Imaliner™

Bi-Layer Thermoplastic Elastomer Tube

- ▲ **Imaliner™** is Bi-Layer tubing specially designed by using thermoplastic elastomer.
- ▲ Inner layer is having low coefficient of friction to enhance smooth fluid flow operation.
- ▲ Outer layer is made from high abrasion resistance TPE to reduce spallation.
- ▲ Having excellent flex crack resistance.
- ▲ Inner layer is highly resistant to alcohol based solvents and preservatives.



Tubing Certification Comparison Chart

CERTIFICATIONS	Imapure®	Imatech™	Imaweld®	Imaprene®	Imachemton™	Imapex™	Imafep™
FDA 21 CFR 177.2600	Available	Available	Available	Available	Available	Available	FDA 21 CFR 177.1550
NSF-51 Certification on Resin	Available	NA	NA	NA	NA	NA	NA
EP 3.1.9	Available	NA	NA	NA	NA	NA	NA
USP Class VI	Available	Available	Available	Available	Available	NA	Available
USP Class 87	Available	NA	Available	Available	NA	NA	NA
ISO 10993-3 Genotoxicity	Available	NA	NA	NA	NA	NA	NA
ISO 10993-4 Hemocompatibility	Available	NA	Available	Available	NA	NA	NA
ISO 10993-5 Cytotoxicity	Available	Available	Available	Available	NA	NA	NA
ISO 10993-10 Sensitization	Available	NA	NA	NA	NA	NA	NA
ISO 10993-11 Acute Systemic Toxicity	Available	NA	NA	NA	NA	NA	NA
TSE/BSE Free Certification	Available	Available	Available	Available	Available	Available	Available
Bisphenol A Free Certification	Available	Available	Available	Available	Available	NA	Available
Phthalate Free Certification	Available	Available	Available	Available	Available	Available	Available
RoHS Certification	Available	Available	Available	Available	Available	Available	Available
German Bfr XV	Available	NA	NA	NA	NA	NA	NA
France Arrete Du 25	Available	NA	NA	NA	NA	NA	NA
Extractable Study	Available	Available	Available	Available	Available	NA	Available
USFDA DMF Registration	Available	NA	Available	Available	Available	NA	Available
Chemical Compatibility Chart	Available	Available	Available	Available	Available	Available	Available

Standard Available Sizes for Tubing



SIZES					TUBINGS CATALOGUE NUMBER					
ID		OD		THICKNESS	Imapure®	Imatech™	Imaweld®	Imaprene®	Imachemton™	Imapex™
INCH	MM	INCH	MM	INCH						
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	901-174-60	701-174-60	4020-0040-300	8020-0040-300	5020-0040-300	601-174-60
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	901-142-60	701-142-60	4020-0080-300	8020-0080-300	5020-0080-300	601-142-60
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	4020-0160-400	8020-0160-400	5020-0160-400	601-212-60
3/4	19.00	3/4	25.0	1/8	901-160-60	701-160-60	4020-0190-300	8020-0190-300	5020-0190-300	601-160-60
3/4	19.00	1-1/16	27.0	5/32	901-213-60	701-213-60	4020-0190-400	8020-0190-400	5020-0190-400	601-213-60
3/4	19.05	1	25.4	1/8	901-160B-60	701-160B-60	4020-0190-320	8020-0190-320	5020-0190-320	601-160B-60
3/4	19.05	1-1/8	28.57	3/16	901-199-60	701-199-60	4020-0190-470	8020-0190-470	5020-0190-470	601-199-60
3/4	19.05	1-1/4	31.75	1/4	901-200-60	701-200-60	4020-0190-640	8020-0190-640	5020-0190-640	601-200-60
63/64	25.0	1-7/32	31.0	1/8	901-167-60	701-167-60	4020-0250-300	8020-0250-300	5020-0250-300	601-167-60
63/64	25.0	1-3/8	35.0	13/64	901-188-60	701-188-60	4020-0250-500	8020-0250-500	5020-0250-500	601-188-60
63/64	25.0	1-29/64	37.0	15/64	901-189-60	701-189-60	4020-0250-600	8020-0250-600	5020-0250-600	601-189-60
1	25.40	1-1/8	28.75	3/16	901-201-60	701-201-60	4020-0250-170	8020-0250-170	5020-0250-170	601-201-60
1	25.40	1-1/2	38.10	1/4	901-202-60	701-202-60	4020-0250-640	8020-0250-640	5020-0250-640	601-202-60

Pack size available from min 25 mt. pack.



Maifit®

Platinum Cured Silicone Hose Reinforced with Polyester Braiding

Maifit® 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. **Maifit®** 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

- ▲ Toxikon based E&L studies available on inner liner
- ▲ NSF-51 certification on resin liner
- ▲ Conforms to US FDA 21 CFR 177.2600 Food Grade Standard
- ▲ Conforms to USP Class VI
- ▲ Conforms to ISO 10993
- ▲ RoHS, Free of Phthalate/ Bisphenol/Volatile Plasticizer, TSE/BSE Certification
- ▲ Complete validation package available upon request

KEY FEATURES

- ▲ Excellent flexibility
- ▲ Manufactured from low volatile grade silicone resin
- ▲ Imparts no taste and odor
- ▲ Lot traceable
- ▲ Available with SS 316L Tri-Clovers end having RA value ≤ 0.5 at Bore
- ▲ Colored outer layer available
- ▲ Custom color coding available
- ▲ Sterilizable by Autoclave, Ethylene Oxide Gas and Gamma Radiation



PART NO.	Size in MM (ID x OD)	Size in Inch (ID)	*Max Working Pressure (Bar)	*Min Burst Pressure (Bar)	Min Bend Radius (MM)	Vacuum Rating in MM HG
0613FT	6 x 13	¼"	10.0	30	50	NA
0916FT	9 x 16	11/32"	9.0	27	50	NA
1220FT	12 x 20	½"	7.0	21	80	NA
1624FT	16 x 24	5/8"	7.0	21	90	NA
1927FT	19 x 27	¾"	6.0	18	110	NA
2535FT	25 x 35	1"	4.0	12	160	NA
3242FT	32 x 42	1¼"	3.0	9	200	NA
3747FT	37 x 47	1½"	2.5	8	C/P	NA
5062FT	50 x 62	2"	2.0	6	C/P	NA

* Tested at Standard Temp Condition, CP- Consult Plant



Imavac®

Platinum Cured Silicone Hose Reinforced with SS 316 Helical Wire

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®** - polyester braided hose in high pressure and high vacuum rating applications. It is also used for antistatic application.

APPLICATION

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

CERTIFICATION

- ▲ Toxikon based E&L studies available on inner liner
- ▲ NSF-51 certification on resin liner
- ▲ Conforms to US FDA 21 CFR 177.2600 Food Grade Standard
- ▲ Conforms to USP Class VI
- ▲ Conforms to ISO 10993
- ▲ RoHS, Free of Phthalate/ Bisphenol/Volatile Plasticizer, TSE/BSE Certification
- ▲ 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
- ▲ Imparts no taste and odor
- ▲ Lot traceable
- ▲ Available with SS 316L Tri-Clovers end having RA value ≤ 0.5 at Bore
- ▲ Sterilizable by Autoclave, Ethylene Oxide Gas and Gamma Radiation

PART NO.	Size in MM (ID x OD)	Size in Inch (ID)	*Max Working Pressure (Bar)	*Min Burst Pressure (Bar)	Min Bend Radius (MM)	Vacuum Rating in MM HG
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	500
3747VC	37 x 47	1½"	7.5	25	170	500
5062VC	50 x 62	2"	6.0	22.5	240	400
6476VC	64 x 76	2½"	4.0	20	C/P	C/P
7587VC	75 x 87	3"	3.0	15	C/P	C/P
100112VC	100 x 112	4"	2.0	10	C/P	C/P

* Tested at Standard Temp Condition, CP- Consult Plant



Imavacfit®

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

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

- ▲ Toxikon based E&L studies available on inner liner
- ▲ NSF-51 certification on resin liner
- ▲ Conforms to US FDA 21 CFR 177.2600 Food Grade Standard
- ▲ Conforms to USP Class VI
- ▲ Conforms to ISO 10993
- ▲ RoHS, Free of Phthalate/Bisphenol/Volatile Plasticizer, TSE/BSE Certification
- ▲ Complete validation package available upon request

KEY FEATURES

- ▲ Having high burst pressure resistance compare to **Imafit®** and **Imavac®**
- ▲ Designed for high vacuum rating applications
- ▲ Having antistatic properties to dissipate static electrical charge
- ▲ Imparts no taste and odor
- ▲ Lot traceable
- ▲ Available with SS 316L Tri-Clovers end having RA value ≤ 0.5 at Bore
- ▲ Sterilizable by Autoclave, Ethylene Oxide Gas and Gamma Radiation

PART NO.	Size in MM (ID x OD)	Size in Inch (ID)	*Max Working Pressure (Bar)	*Min Burst Pressure (Bar)	Min Bend Radius (MM)	Vacuum Rating in MM HG
0613FT	6 x 13	¼"	12.5	49.0	60	760
0916FT	9 x 16	11/32"	12.5	49.0	70	760
1220FT	12 x 20	½"	11.5	45.0	70	760
1624FT	16 x 24	5/8"	11.0	36.0	85	760
1927FT	19 x 27	¾"	10.0	34.5	95	760
2535FT	25 x 35	1"	9.5	34.5	140	760
3242FT	32 x 42	1¼"	8.5	28.0	150	500
3747FT	37 x 47	1½"	8.0	30	175	500
5062FT	50 x 62	2"	6.5	25	245	400

* Tested at Standard Temp Condition, CP- Consult Plant



Imawrap®

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

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.

APPLICATION

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

CERTIFICATION

- ▲ Toxikon based E&L studies available on inner liner
- ▲ NSF-51 certification on resin liner
- ▲ Conforms to US FDA 21 CFR 177.2600 Food Grade Standard
- ▲ Conforms to USP Class VI
- ▲ Conforms to ISO 10993
- ▲ RoHS, Free of Phthalate/Bisphenol/Volatile Plasticizer, TSE/BSE Certification
- ▲ 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 and kink resistance
- ▲ Imparts no taste and odor
- ▲ Lot traceable
- ▲ Available with SS 316L Tri-Clovers end having RA value ≤ 0.5 at Bore
- ▲ Sterilizable by Autoclave, Ethylene Oxide Gas and Gamma Radiation

PART NO.	Size in MM (ID x OD)	Size in Inch (ID)	*Max Working Pressure (Bar)	*Min Burst Pressure (Bar)	Min Bend Radius (MM)	Vacuum Rating in MM HG
0613WP	6 x 13	1/4"	18.5	38.0	60	760
0916WP	9 x 16	11/32"	18.0	38.0	70	760
1220WP	12 x 20	1/2"	16.0	34.0	80	760
1624WP	16 x 24	5/8"	14.0	34.0	90	760
1927WP	19 x 27	3/4"	13.0	34.0	100	760
2535WP	25 x 35	1"	10.5	32.0	120	760
3242WP	32 x 42	1 1/4"	10.0	32.0	180	500
3747WP	37 x 47	1 1/2"	9.5	30.0	220	400
5062WP	50 x 62	2"	8.0	30.0	300	300
6476WP	64 x 76	2 1/2"	6.5	25.0	C/P	C/P
7587WP	75 x 87	3"	5.0	20.5	C/P	C/P
100112WP	100 x 112	4"	5.0	20.5	C/P	C/P
102112WP	102 x 112	4"	12.0	22.0	C/P	C/P

* Tested at Standard Temp Condition, CP- Consult Plant



PTFE Lined Hose with SS 304 Braiding Having Outermost Platinum Cured Silicone Cover

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 and 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

- ▲ E&L studies available on inner liner
- ▲ Conforms to US FDA 21 CFR 177.2600 Food Grade Standard
- ▲ Conforms to USP Class VI
- ▲ RoHS, Free of Phthalate/Bisphenol/Volatile Plasticizer, TSE/BSE Certification
- ▲ 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
- ▲ Available with SS 316L Tri-Clovers end having RA value ≤ 0.5 at Bore
- ▲ Sterilizable by Autoclave

PART NO.	Size in MM (ID x OD)	Size in Inch (ID)	*Max Working Pressure (Bar)	*Min Burst Pressure (Bar)	Min Bend Radius (MM)	Vacuum Rating in MM HG
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	CP	NA
5062FX	50 x 62	2"	30	90	CP	NA

* Tested at Standard Temp Condition, CP- Consult Plant



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
 ▲ Vacuum Tested



Leak Proof Tri-Clover Fittings

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:

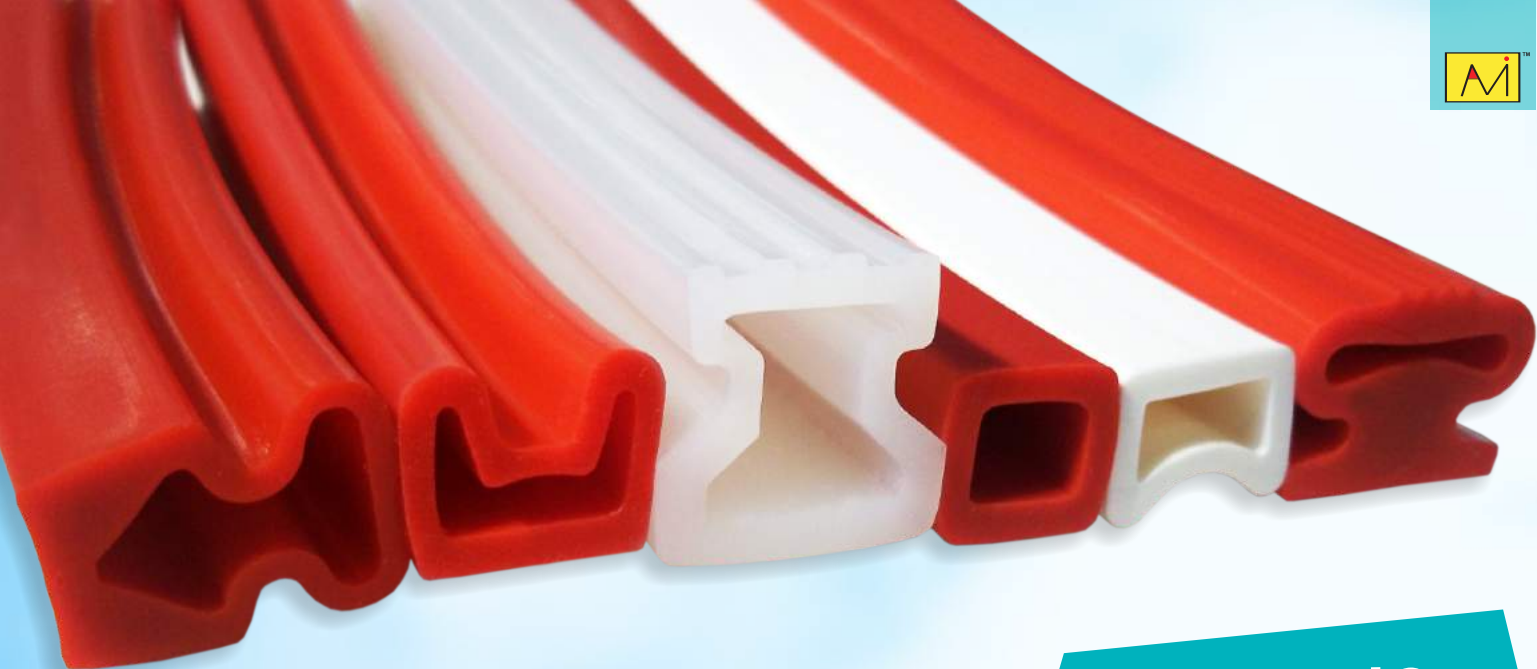
- ▲ Variety of silicone hoses available for pharma, food, beverages & biotech application
- ▲ Having smooth inner layer due to excellent surface on mandrill
- ▲ Customized length available with sharp bend angle
- ▲ Applicable for coolant hose, radiator hose
- ▲ High mechanical properties for durable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



Value Added to Silicone Hose

- ▲ **Color Coded Hose:**
Silicone hose like **Imafit®** 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**





Imaseal®

Silicone Inflatable Seals & Gaskets

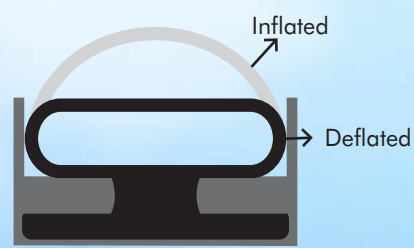
Imaseal® is made from advance grade silicone rubber conforms to FDA 21 CFR 177.2600 for food grade criteria suitable for various sealing applications. These inflatable seals starts inflation range from 5mm to 20mm when 2-3 BAR pressure is applied after installation in door. **Available with Static Dissipative Formulation (10⁷)**

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

- APPLICATION**
- ▲ Fluid Bed Dryers/Processors/Coaters
 - ▲ Autoclaves, Sterilizers
 - ▲ Isolators, Glove Box
 - ▲ Furnaces
 - ▲ Rapid Mixer Granulators
 - ▲ Nuclear Door Seals
 - ▲ Robotics and Fluid Sealing
 - ▲ Airlock Door Seals
 - ▲ Powder and Bulk Solid Handling Machineries
 - ▲ Electronic/Wafer Semiconductor Processing

- APPLICABLE INDUSTRIES**
- ▲ Pharmaceuticals
 - ▲ Biotech
 - ▲ Food Process
 - ▲ Engineering
 - ▲ Defence
 - ▲ Aerospace

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





Imaclamp®

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.
- ▲ **Imaclamp®** is available with collar for better grip and also without collar.
- ▲ Available in red/orange/white and transparent colors.

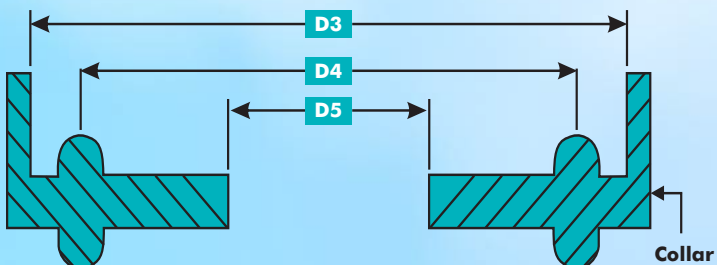
TYPES

- ▲ 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
1/2"	34.0	27.5	10.9
1/2" A (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





Extruded Profile

Silicone/FKM/EPDM

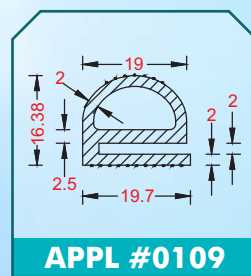
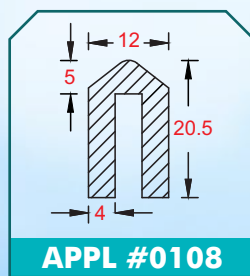
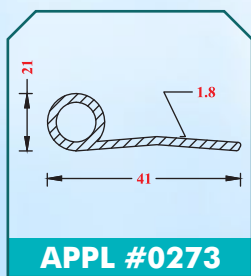
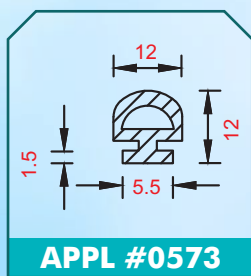
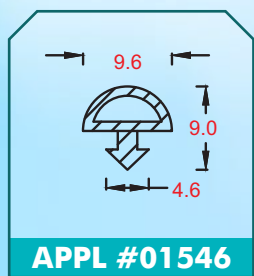
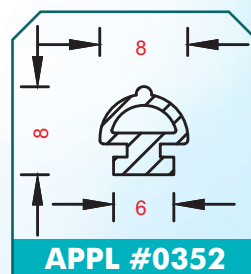
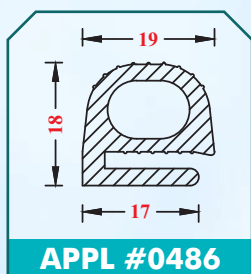
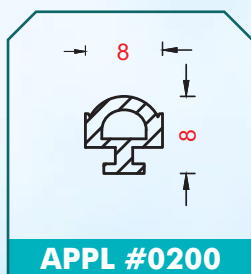
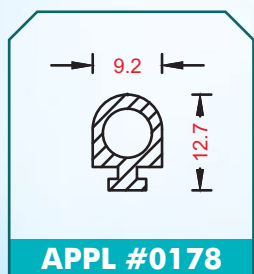
"We can also make the extruded door gaskets as per customers requirements"

APPL offers a wide range of silicone extruded door gaskets in more than 1000 different shapes and designs. (In round and square types). These extruded door gaskets (Autoclave) 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. These 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 PROFILE/GASKETS USE IN

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



Send us mail for more extruded profile design and detail at info@amipolymer.com



Self Adhesive Profiles

Silicone/EPDM

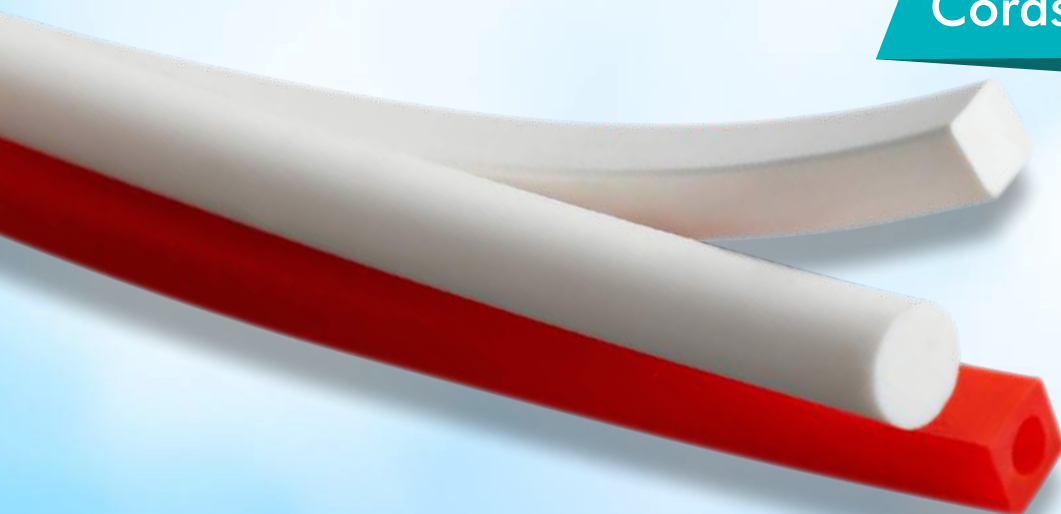
Self adhesive strip plays a crucial part in sealing and spacing throughout a multitude of different industrial sectors. Strips that are manufactured from EPDM make ideal seals against any ingress of water or air. Self adhesive strip have a closed cell structure and therefore don't allow any liquid, gases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

ADVANTAGE OF EPDM SELF ADHESIVE STRIP

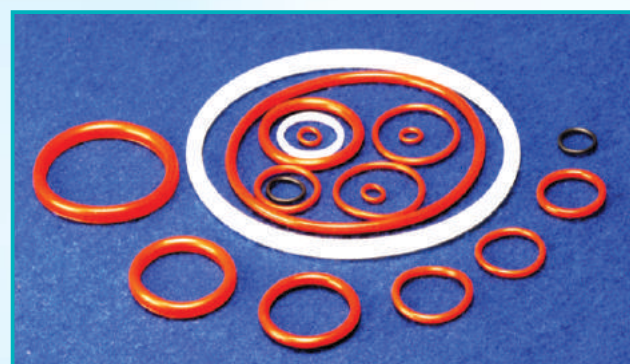
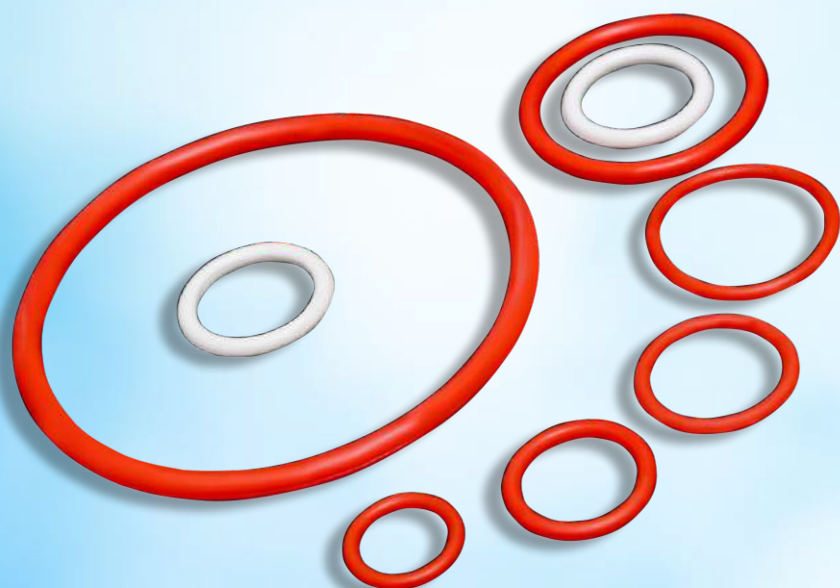
Easy to install, just peel off the self adhesive backing. The adhesive backing tape used is not fully resistance to water, therefore where there is a large amount of moisture or water present; it is advisable to use plain expanded EPDM and a good conduct adhesive. EPDM provide excellent resistance against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

Cords, Strips & Gaskets

Silicone/FKM/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 and consistent physical properties are maintained throughout the length.



O-Rings

(Silicone/FKM/EPDM/Neoprene/Nitrile)

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 and 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, NBR, and FKM or in any other rubber as per customer's specification.

APPLICATION

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

FEP Encapsulated O-Rings

(Silicone/FKM/EPDM/Neoprene/Nitrile)

APPL's Silicone, FKM and 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, FKM or EPDM and can be used in temperatures from -75°F to +400°F (-60°C to +205°C) depending upon the choice of elastomer core.

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") and 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 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

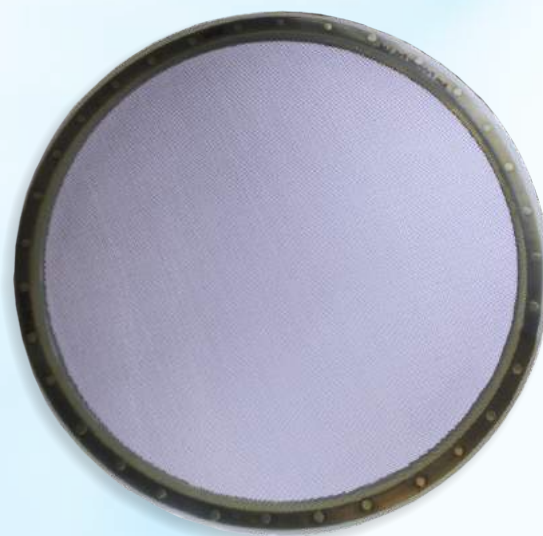
PROPERTY	UNIT
Hardness	60 ± 5 Shore A
Di-Electric Strength	22 KV / mm
Temperature Range	-80°C to +250°C
Tensile Strength	250 % Min.
Colors	Translucent, Red, Orange, Skyblue, Blue

Silicone Autoclave Gaskets



FEATURE

- ▲ Autoclave Gaskets are available for Steam Sterilizer and Dry Heat Sterilizer
- ▲ Autoclave Gasket are also available as Inflatable Gasket.
- ▲ Excellent joint finishing from European technology of manufacturing.



Silicone Molded Sifter Sieves

A sieve or sifter, is a device for separating wanted elements from unwanted material or for characterizing the particle size distribution of a sample, typically using a woven screen such as a mesh.

Sifting is mainly used in two areas, check screening of raw material to remove extraneous material and sizing to sort, segregate or control the particle size distribution of powders and granules. Sifting is mainly achieved by used of vibratory, rotary and centrifugal screeners.

CHARACTERISTICS

- ▲ Sieves have to be specially designed to resist the high tensile stress generated. Since particle size distributions plays a vital part in drug dissolutions, maintaining the accuracy of the sieves apertures in an essential part of sieves manufacturing.
- ▲ Proper thickness of wire, accurate nominal apertures sizes, high tensile strength and tautness of the sieves are essential part of sieve for high sifting performance.
- ▲ Material of construction stainless steel – 316 and 316L.
- ▲ Aperture sizes – 4075 to 70 microns or mesh sizes 4# to 200# with ASTM standard being certified 90X microscope.
- ▲ Sieves are available in various sizes from 4" to 30" diameter. The most common size used 20" (550mm) & 30" (750mm) diameter.
- ▲ The silicone is food grade material, transparent in appearance.
- ▲ Nontoxic and molded on the stainless steel ring.
- ▲ **Available with Static Dissipative Formulation (10^7 to $10^9 \Omega\text{-cm}$).**

FLUID BED DRYING SIEVES (FBD)

Fluid Bed Dryer have a bed of solid particles which are fluidized by passing a stream of air upward through a specially designed perforated sheet. The upward velocity of air is so maintained so as to slightly lift the solid particles and set them in motion. This motion can be utilized to bring about mixing as well as forward movement of the solids particles. The air is heated and the process hot air evaporates the fluid and dries the solids.

This process are also used in coating & binding a particles or powder.

Fluid Bed Dryer Sieves are available in various sizes from 400mm to 1200mm, or 25LTR to 1000LTR. Sieves used are Dutch woven screen, the most common sieve used is 24 x 110 mesh, 30 x 150 mesh is use.

APPLICATION

- ▲ Pharmaceutical Industries
- ▲ Food Industries
- ▲ Used in Vibro-Shifter Machine
- ▲ Chemical Industries



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

Rubber Sheets

(Silicone/FKM/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
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 Bellows

For Powder Transfer System



Silicone Bellows

For Tablet Compression Machine





T PARTITION GASKETS



PARTITION GASKETS



SILICONE HOPPER GASKETS



SILICONE TIRES/BANDS



SILICONE TIPS



MEDICAL & SURGICAL COMPONENTS



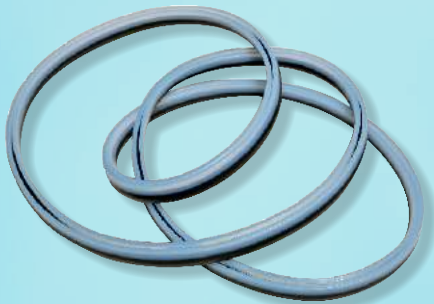
SILICONE DUST CUP (D & B TOOLING)



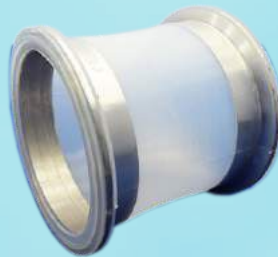
SILICONE MOUTHPIECE



SILICONE SUCTION CUP



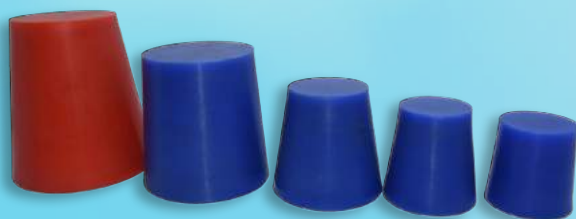
ANTISTATIC GASKET



BELLOW FOR ISOLATOR



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



SILICONE CORK



SILICONE WASHER

Few of Our Prestigious Clients





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“Sealing Expert in Silicone”

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