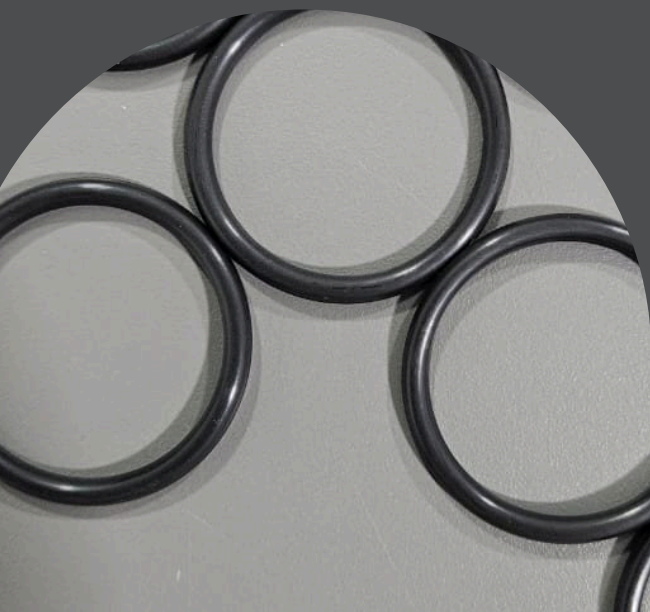


# O-RINGS & GASKETS



# About Us

Leading Supplier of Molded & Extruded Rubber Products with wide and increasing range of sealing elements.

## Precision Engineering

DTEC understands the unique needs of different industries. Our precision engineering focuses on customization, ensuring our rubber products integrate seamlessly across various applications. We prioritize innovation, consistently adopting new technologies to enhance precision and redefine excellence.

## Innovative Solutions

DTEC prioritizes the use of top materials, leading in innovative formulations for our rubber products. Our commitment to advancements ensures reliable and superior solutions, supported by continuous research and development.

## Quality Excellence

Quality control is an ongoing commitment at DTEC. We integrate continuous measures throughout production, from design to inspection, ensuring our products exceed industry standards. Our dedication to quality extends to customization, tailoring solutions to meet each client's unique requirements.

## Reliable Performance

Reliability starts with consistency. DTEC's commitment to high standards guarantees that every rubber product meets quality benchmarks. Our durable rubber products ensure longevity and performance, allowing clients to minimize downtime and enhance efficiency.



# O-RING

Elevate Your Sealing Solutions with Leading O-Rings Supplier in Mumbai.



O Rings are round gaskets made of ductile material, used to seal connections in tubes and pipes. They are cost-effective and reliable, applicable in hydraulics and various equipment like compressors, pumps, and engines. These elastomer loops fit into grooves and are compressed between parts.

## How it works

- The O-ring is installed in a groove or gland.
- The O-ring is compressed between two parts, forcing the material to extrude into the gland's grooves.
- The O-ring creates a tight seal that prevents fluids or gases from passing through.

## Where it's used

- O-rings are used in machinery, equipment, chemical processing, food and beverage, and automotive applications
- They're designed to withstand repeated compression and decompression cycles

## Why it's important

- O-rings are cheap, easy to produce, and reliable.
- They're a critical component in many applications

## Material of Made

elastomers like rubber, silicone, fluorocarbon, FKM (Viton O-ring), or solid or hollow metal.



## Industrial O Rings

Viton (FKM) O Rings

Silicone O Rings

Nitrile O Rings – NBR

EPDM O Rings

Neoprene O rings

- ▶ Viton
- ▶ Silicone
- ▶ Nitrile
- ▶ EPDM
- ▶ Neoprene

## Industrial O Rings

O rings are torus or doughnut shaped rings defined by Inner Diameter (I D) & Cross Section (C S). We provide quality O rings as small as .74mm (ID) to 1800mm (ID) giant sizes in various elastomers like:

We provide precision-engineered O-rings that meet the needs of various industries, including aerospace engines, air compressors, agricultural products, earth-moving machinery, chemical plants, diesel engines, dairy equipment, and hydraulic systems.

We place the utmost importance on the quality of the O-rings we supply.

## Industrial O Rings

Viton (FKM) O Rings

Silicone O Rings

Nitrile O Rings – NBR

EPDM O Rings

Neoprene O rings

## Nitrile O Rings – NBR

We produce a wide range of nitrile o-rings with inner diameters from 0.74mm to 1800mm, using 5000 molds. Our 2000mm ID o-ring is made through a precise molding process, ensuring accuracy and a flawless finish. Our high-quality nitrile o-rings resist oil and temperature, setting them apart from other polymers.

### General Characteristics :

- ▶ Good resistant to oil.
- ▶ Good Chemical, Alcohols & benzene resistance.
- ▶ Good tensile strength.



Industrial O Rings

Viton (FKM) O Rings

Silicone O Rings

Nitrile O Rings – NBR

EPDM O Rings

Neoprene O rings

## Viton (FKM) O Rings

We specialize in producing a diverse range of Viton Rubber O Rings, with inner diameters ranging from 0.74mm to 1800mm, utilizing our inventory of 5000 single-piece molds. Additionally, we provide 2000mm ID 'O' Rings, crafted through a meticulous step molding process, ensuring precise dimensions, seamless finishes, and defect-free quality.

### Following are some of the important properties of viton:

- ▶ Temp resistant up to 250° C.
- ▶ Excellent Oil, chemical, solvent resistant at elevated temp (250° C).
- ▶ Excellent compression set properties at 200°-250° C.
- ▶ Weather, ageing and radiation resistant.
- ▶ Thermally stable.
- ▶ Excellent mechanical properties.

Industrial O Rings

Viton (FKM) O Rings

Silicone O Rings

Nitrile O Rings – NBR

EPDM O Rings

Neoprene O rings

## EPDM O Rings

We provide top-notch EPDM O rings made from superior rubber and polymers. These items are highly sought after across the country and commonly utilized in Column PVC pipes and testing labs. Notable features of EPDM are its outstanding heat resistance.

- ▶ EPDM] The content provided is incomplete. Please provide more information or a complete sentence for rephrasing.



Industrial O Rings

Viton (FKM) O Rings

Silicone O Rings

Nitrile O Rings – NBR

EPDM O Rings

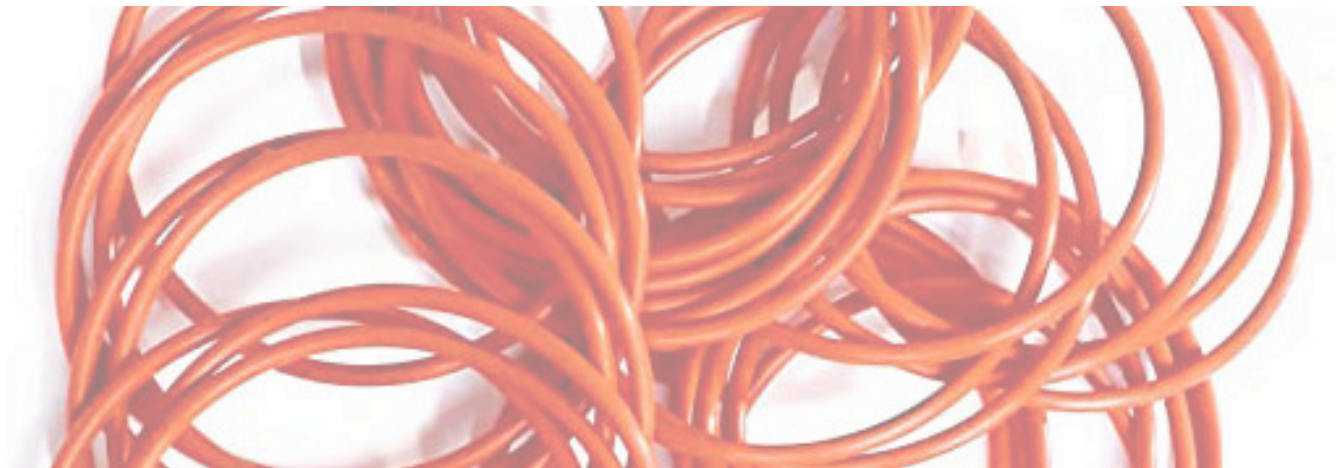
Neoprene O rings

## Silicone O Rings

We specialize in producing a diverse range of Silicone O Rings, with inner diameters ranging from 0.74mm to 1800mm, utilizing our inventory of 5000 single-piece molds. Additionally, we provide 2000mm ID O Rings, crafted with superior workmanship through a step molding process. Our O Rings feature precise dimensions, invisible flash lines, excellent finishes, proper post-curing, and are completely defect-free.

### Following are some of the important properties of Silicone :

- ▶ Good resistance to severe temperature ranging -55 to +300 degree centigrade
- ▶ Good electrical properties.
- ▶ Self Healing Material.
- ▶ It can be used for injection moulded applications.





Industrial O Rings

Viton (FKM) O Rings

Silicone O Rings

Nitrile O Rings – NBR

EPDM O Rings

Neoprene O rings

## Neoprene O rings

We specialize is known for its excellent heat resistance.ene O Rings, with inner diameters ranging from 0.74mm to 1800mm, utilizing our inventory of 5000 single-piece molds. We also provide 2000mm ID O Rings, crafted through a precise step molding process, ensuring accurate dimensions, a seamless finish, and defect-free quality.

## Excellent weather resistance

- ▶ Good mechanical properties
- ▶ Moderately resistant to oils and fats.
- ▶ Excellent weather resistance
- ▶ Excellent durability across a wide temperature spectrum, from - 240 degrees Celsius.
- ▶ Good electrical properties
- ▶ Self Healing Material
- ▶ It can be used for injection moulded applications
- ▶ Good oil resistance.
- ▶ Good acid and alkali resistance.
- ▶ xcellent mechanical and abrasion properties.



## O RING CORDS

O-ring cords are primarily utilized in static applications or for large diameter seals where traditional O-rings are impractical. Custom sizes can be produced quickly since most cords are joined with cyanoacrylate adhesives, providing an instant alternative to continuous O-ring cords.





## O RING KIT

O-ring kits are perfect for remote locations and maintenance departments. They include a variety of high-quality O-rings that are essential for emergency replacements, significantly minimizing downtime. Each O-ring is produced using specialized multi-cavity flash-less tooling.

O-Ring kits are available in the specifications below:-

 **NBR 70 Standard O-Ring Kits**

 **NBR 90 Standard O Ring Kits**

 **NBR 70 Metric O-Ring Kits**

 **NBR 90 Metric O-Ring Kits**

 **FKM 75 (VITON®) Standard O-Ring Kits**

 **FKM 90 (VITON®) Standard O-Ring Kits**

 **FKM 75 (VITON®) Metric O-Ring Kits**

 **FKM 90 (VITON®) Metric O-Ring Kits**



## X – RINGS

X rings are produced in compliance with multiple International Standards, including AS-568A, DIN 3771, BS 1806, SMS 1586, METRIC, JIS 2401, AS, AN, AMS, NAS, BS, and Custom specifications. X rings are produced in compliance with several International Standards, including AS-568A, DIN 3771, BS 1806, SMS 1586, METRIC, JIS 2401, AS, AN, AMS, NAS, BS, and Custom specifications.



## Rubber Gaskets

We provide in producing Neop from 30 to exceptional service.

- ▶ Available in material for Viton(fkm),EPDM,Natural, Silicone,Neoprene.
- ▶ customer's design and specifications are accepted.
- ▶ Color and shape can be changed upon request. available in various sizes and colors.
- ▶ Our professional r&d; team can provide you higher quality products with competitive price and all documents such as PPAP, CONTROL PLAN, FMEA etc.
- ▶ xcellent mechanical and abrasion properties.

## EPDM Rubber Gaskets

We provide top]-notch The products provided at content competitive is prices incomplete along and with does not convey a clear message. Please provide the full text for rephrasing or specify a topic for new content.140°C and resist steam, water, alkalis, diluted alcohols, ketones, and polar organic solvents. Our skilled team ensures these products meet industry standards. Additionally, we offer EPDM rubber gaskets.

## Electrical Conductive Gasket

We offer a wide selection of top-quality EPDM rubber products, known for their exceptional performance and durability. Procured from trusted vendors, these products operate effectively within a temperature range of -40°C to ones, and polar organic solvents. Our expert team guarantees compliance with industry standards. We also provide EPDM rubber gaskets.



## Neoprene Rubber Gaskets

We manufacture high-quality products at competitive prices, but the message is unclear and incomplete. Our products can withstand temperatures up to 140°C and resist steam, water, alkalis, diluted alcohols, ket

- ▶ Available material : material for NBR,FKM,FPM,viton(FKM)&dow; ELASTOMERS,NEOPRENE,HNBR,NATURAL RUBBER,SBR,IR,IIR(butyl rubber),ACM ect. Nsf an ktw
- ▶ Color and shape can be changed upon request. available in various sizes and colors.
- ▶ Neoprene exhibits good oil, ozone, weather, aging, refrigeration and chemical resistance. It also has good mechanical properties over a wide temperature range.
- ▶ customer's design and specifications are accepted.

## Diaphragm Gaskets

We offer high-quality neoprene rubber products at competitive prices, backed by excellent service. Our neoprene rubber products come with various features that ensure durability and reliability., these gaskets are available at competitive prices. Our diaphragm gaskets in Bangalore are highly durable and can endure high air pressures.



# Gland Packings

Gland packing seals are conventional sealing devices used to prevent leakage in rotating or reciprocating shafts of machinery. Made from materials such as PTFE, graphite, or aramid fibers, they consist of braided strands packed in the gland space between the shaft and housing. This design permits controlled lubrication leakage while minimizing fluid loss. Common in valves, pumps, and various mechanical equipment, they come in different finishes like lubricated or graphite-coated, ensuring reliable sealing under high temperatures, pressures, and shaft speeds, thus providing an efficient and cost-effective solution for leakage control.



EXPENDED GRAPHITE PACKING

CARBON FILAMENT PACKING

PTFE GRAPHITE FILAMENT PACKING

GRAPHITED PTFE PACKING

PURE PTFE PACKING

ECONOMICAL PTFE YARN PACKING

PTFE & GRAPHITE PACKING

ARAMID FIBRE PACKING

ARAMID & GRAPHITED PTFE PACKING

ARAMID & PURE PTFE PACKING

GLASS FIBRE PACKING

CERAMIC FIBRE PACKING



# Gaskets

## CAF Gaskets

CAF Gaskets have historically used compressed Asbestos Fibre as the preferred material for soft gaskets. Known for its ease of use and resilience, it effectively seals a wide range of applications across various grades, including W1, W2, W3, B/S, O/1, O/2, and A/1 in both metallic and non-metallic forms.

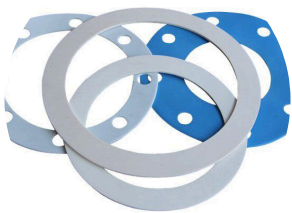


## Spiral Wound Gaskets

Spiral Wound Gaskets consist of a metallic continuous strip with a uniquely shaped profile, combined with a continuous filling strip (such as Asbestos, PTFE, Grafoil, or Ceramic) tightly wound in a concentric spiral under constant pressure. They are reinforced on both the inner and outer diameters with multiple electrically welded spiral metal layers.

## Non - Asbestos Gaskets

Non-Asbestos Gaskets are materials designed to substitute asbestos products. These gaskets come in various grades and thicknesses, suitable for air compressors, diesel engine pipelines, and a wide range of industrial and marine applications.

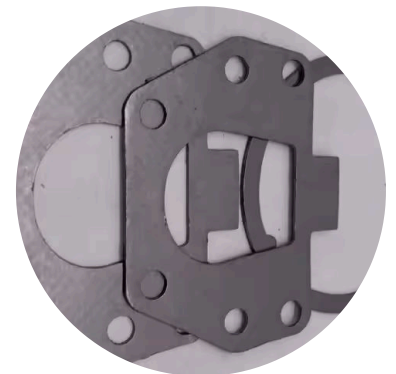


## PTFE Gaskets

Polytetrafluoroethylene gaskets are primarily utilized in settings where the gasket material encounters harsh chemicals, including acids, bases, and solvents. We manufacture PTFE gaskets (enveloped, V-type, and mill type), solid gasket rings, bushes, and custom designs according to specifications.

## Graphite Gaskets

Graphite Gaskets Mfg. using the highest quality materials, gaskets are available with steel or nickle reinforcement layers, soft graphite either plain or tanged. This gaskets are used in most extreme condition. Gaskets are self Lubricated, does not stick to flanges







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