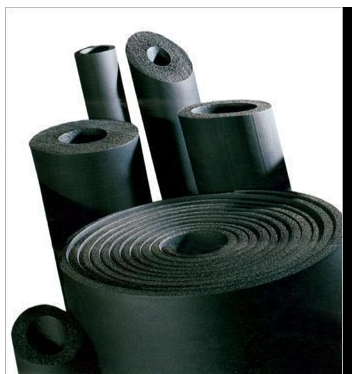




INVICTA ADVANCED RUBBER
COMPONENTS

PRODUCT CATALOGUE



ABOUT INVICTA ADVANCED RUBBER COMPONENTS

At INVICTAINDIA, we produce superior quality rubber products to satisfy your volume and customization needs. Our tradition has been to keep our turnaround time shortest in industry to make us your reliable rubber manufacturing partner. Our engineers keep a check of the specified quality through tolerances around dimensions and on desired properties of finished products to deliver them on time.

With years of expertise in natural and synthetic elastomer compounds, we manufacture rubber gaskets, seals, o rings, hoses, grommets, bellows, plugs, and caps from EPDM, Silicone, Fluorosilicone, FKM (Viton), NBR (Nitrile, Buna-N), HNBR, Neoprene, SBR etc to just name a few.

Our experienced engineers are involved throughout the process of rubber product ideation, material suitability analysis, product design, die design, rubber compounding, color matching, prototyping, manufacturing, post production fabrication, and product quality testing to ensure that we always deliver high quality molded and extruded rubber products to our customers expectations.

We are proud to be one of the very few rubber manufacturers here in INDIA that provide standard as well as custom size, shape, color, and compound options with extruded and molded rubber components.

We are always on board to make suggestions regarding the compounds and properties which would best fit your technical, mechanical, electrical, and chemical properties requirements. We optimize each product related manufacturing process for best quality rubber components for your worry free operations. For us, customer satisfaction is the ultimate goal.

Reach out to us for a quick quote or guidance on your project needs around rubber seals, gaskets, o-rings, diaphragms, sleeves, extruded strips, cords, or profiles.

OUR MATERIALS

1. EPDM (-55° C to 150° C)
2. NATURAL (-40° C to 108° C)
3. NEOPRENE (-40° C to 120° C)
4. NITRILE (-30° C to 100° C)
5. POLYURETHANE (-30° C to 80° C)
6. PTFE (-71° C to 260° C)
7. SILICONE (-20° C to 204° C)
8. SPONGE & FOAM
9. TPE
10. VITON
11. FLUOROSILICONE (-70° C to 175° C)
12. HYDROGENATED NITRILE RUBBER (-40° C to 150° C)
13. CARBOXYLATED NITRILE RUBBER (-30° C to 100° C)
14. STYRENE BUTADIENE RUBBER (-40° C to 105° C)
15. PERFLUOROELASTOMER (-40° C to 120° C)

APPLICATION

- 1. AEROSPACE**
- 2. AUTOMOTIVE**
- 3. OIL & GAS INDUSTRIES**
- 4. DEFENSE**
- 5. PHARMACEUTICAL**
- 6. RENEWABLE ENERGY**
- 7. FOOD & DAIRY**
- 8. AGRICULTURE**
- 9. MARINE**
- 10. RAILWAYS**
- 11. GENERAL INDUSTRIES**

BELLOWS

Rubber bellows are used to sealing environments, carrying liquids, slurry and gases, mechanical coupling, and performing electrical contact amongst other things. These bellows are durable and flexible. These bellows are type of cylindrical vessels which are readily compressible and extensible due to various annular convolutions. Rubber bellows are available in a wide variety of shapes, sizes, constructions and elastomer coated fabrics or rubbers to fit any specific applications needs.



CUSTOM EXTRUDED COMPONENTS

INVICTA produces a wide range of custom extruded products such as gaskets, door seals, and spliced rings in different shapes as well as sizes. We can extrude "U", solid "D", hollow "D", and custom shapes from both dense and sponge materials. For special application requirements, we also offer PSA-backed, vulcanized, and spliced custom extrusions. Employing salt bath and microwave curing allows us to meet the tough quality standards for organic and silicone rubber. We produce parts to stringent FDA, Mil-Spec, and RMA (Rubber Manufacturers Association) standards.



ANTI-VIBRATION RUBBER MOUNTING

Marine engine mounts are anti vibration mounts with fail-safe protection that are used in both mobile and stationary applications from diesel generators to industrial engines. Cylindrical mounts also called bobbin mounts are used in lightweight applications for shock and vibration reduction.



RUBBER BUMPER

We manufacture custom rubber bumpers, tips and appliance feet using commercial grades of SBR, as well as Neoprene® 1, EPDM, nitrile, and silicone., including high-temperature silicone bumpers. Materials are available in commercial and specification grades including: NASM, ASTM, AMS, SAE and others.

At Minor Rubber, we have earned the reputation for manufacturing high quality rubber parts. Our attention to detail and commitment to excellence for every project, coupled with our experience and knowledge of the industries we serve, ensure that your rubber bumpers, tips and appliance feet will meet or exceed your expectations. Minor Rubber offers an extensive inventory of high quality bumpers, tips and appliance feet in various sizes and shapes for industrial use. In addition, we have the [capability](#) to manufacture a custom part to meet your specific application requirements.

Our industrial rubber bumpers, tips and feet are used in a wide range of applications, including [electronics](#), [aerospace](#), [healthcare](#), [construction](#), [transportation](#), and defence applications.



SILENT BLOCK BUSH

Our company is widely acknowledged as one of the leading manufacturers, exporters and suppliers engaged in offering premium quality Silent Block Bushes. Best of engineering technologies and production techniques are employed to fabricate our Rubber Silent Block Bushes, Silent block Bushes, Automotive Silent Block Bushes, and Silent Block Rubber Bushes.

Types of Silent Block Bushes:

- Cylindrical Type Silent Block Bushes
- Collar Type Silent Block Bushes
- Flange Type Silent Block Bushes



ENGINE MOUNTING

We begin the manufacturing process by reverse engineering, to determine the strength of each mount as well as the chemical compoundings and metallurgy used to manufacture it.

Both natural and synthetic rubbers are used depending upon the application of the product. Rubber compounds are designed to have high ozone resistance to give each mount with maximum longevity.

With the best rubber compounds and metallurgy, we use only best available adhesive to bond the rubber to the steel.

Our mounts match O.E.M mounts in dynamic, spring rate and bonding properties.



RUBBER TENSIONERS

When the season is over, it's time to make sure your boat is safe for the winter. We offer a wide range of rubber tensioners and accessories for boat covers.

Our tensioning straps are made of weather and ageing resistant black or white EPDM rubber that doesn't mis-colour, and natural rubber with high elasticity.



RUBBER FLANGE

We manufacture a wide range of Rubber Flanges that is extensively demanded by our clients for their durability and economical pricing. These are manufactured using optimal quality material procured from reliable sources. Designed under the vigilance of our diligent technocrats, our range is robust in construction and utilized for suction and discharge of sand and water at high pressures.

By following industrial quality standards, we are highly dedicated towards providing a supreme quality gamut of Rubber Flanges.



ANTI SHOK PAD

Leveraging over the skills of our qualified team of professionals, we are instrumental in offering wide range of Anti Vibration Pads. These Products can be used for industrial as well as for domestic purpose also. These anti vibration pads is made from top quality range of rubber and cork materials that are efficiently designed and fabricated to achieve excellent strength and toughness. Anti Vibration Pad is long lasting cheap in price and its use to avoid vibration. Its weather proof, elastic high tensile property.



O-RING

O-Rings offer the designer an efficient and economical sealing element for a wide range of static or dynamic applications. Inexpensive production methods and its ease of use have made the O-Ring the most widely used seal. A wide choice of elastomer materials for both standard and special applications allow the O-Ring to be used to seal practically all liquid and gaseous media. O-Rings are vulcanised in moulds and are characterised by their circular form with annular cross section.



RUBBER WASHER

Rubber washer is defined as a thin disk made of rubber with a hole in the middle. The washer is normally used to support the weight of a threaded fastener. It is also used as a spacer, spring, wear pad, pre-load indicating device as well as locking device. Washers are made of various materials like metal, plastic, rubber. A common material is rubber. Rubber washers are used in taps or valves where they act as the seal that prevents or closes the flow of liquid or gas. All washers including rubber washers have an outer diameter (OD) about twice their inside diameter (ID). **Rubber gaskets** which are used in taps to stop the flow of water are also sometimes referred to as washers because they look similar. But, washers and gaskets are usually made differently and designed for different functions.



RUBBER/METAL BONDED COMPONENTS

INVICTA INDIA Rubber to metal bonding is defined as a process covering a number of interdependent processes, in which rubber is adhered to metal substrate. Today, various factors concerning environment have an impact on all aspects of commerce and industry. Rubber to metal bonding is no exception and the process is undergoing changes to reflect these concerns. Because of the several parts used today consisting of bonded rubber to metal, there are various custom shops who specialize in the manufacturing of these parts and they work with customers from the design level through production.

The Rubber Bonding Process

The rubber can be molded to a metal piece. It can also be adhered to a metal piece. The rubber to metal bonding process involves three elements:

- Rubber
- The bonding agent
- The substrate



RUBBER SHEETS

INVICTA INDIA Rubber sheets are available in various lengths and widths. These sheets are cut according to customer requirements. Various types of rubber are used to make sheets. These sheets are very popular and used in an extensive range applications. There are a comprehensive range of rubber sheets for general, industrial and Invicta India applications. These sheets are also available in vulcanized black as well as colored sheets for technical uses and industrial applications. There can also be smooth surfaced rubber sheets or with a canvas-type print on one or both sides of the rubber sheets. These sheets insertions are usually designed for use in applications where stresses are generally static and pressures are low. There can be cloth insertion, metal mesh insertion, gauze, nylon cloth, and copper insertion.

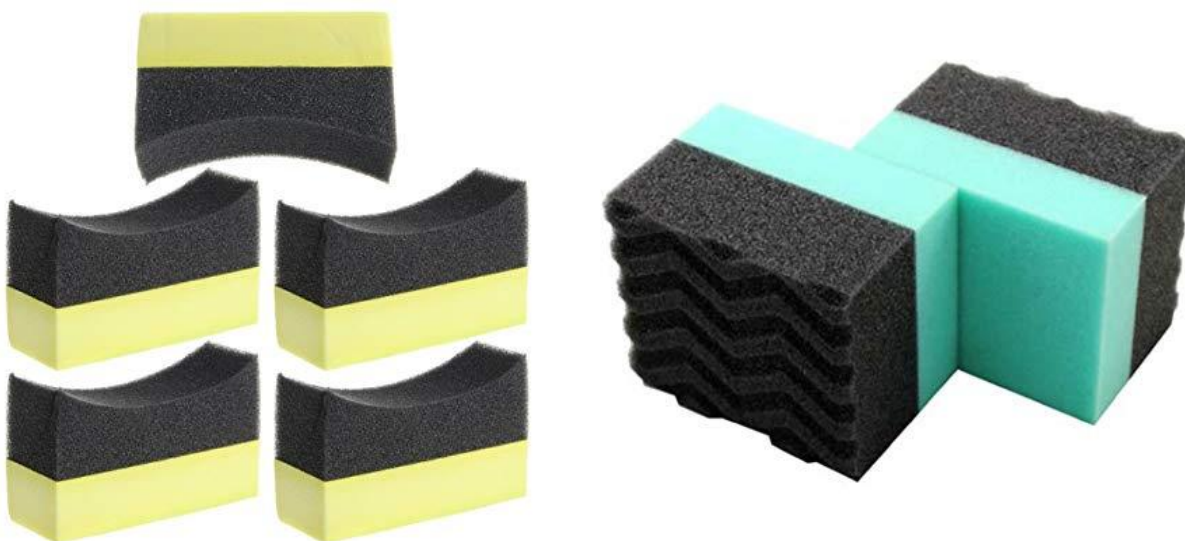
Measurement of thickness of sheets

Rubber sheets are difficult to gauge with conventional thickness measurement techniques. However, with ultrasonic thickness gauges, any point on the entire surface, not just the edges alone, of a rubber sheet can be measured without ever having to contact the opposite side. Ultrasound waves travel through the sheets and reflect from the acoustic interface of the rubber and the substrate. It is important to know the exact nature of the application of the sheets on certain materials and also may require special setups in order to maintain accuracy of thickness readings. Ultrasonic thickness measurements on rubber can be done manually as well as semi-automatically.



SPONGE/FOAM

INVICTA INDIA is a leading producer and converter of best-in-class foam solutions. Our range of products comprises over 200 polyether and polyester PUR foams for automotive, industrial, and comfort applications. Top quality standards at our global production and conversion sites ensure that our products meet our customers' highest demands for performance, functionality, and aesthetics. For the automotive sector, INVICTA INDIA offers acoustically and thermally effective components for sound absorption in vehicle interiors or exterior areas, such as for engine compartments, transmission tunnels, and bulkheads. Automotive rolls of a length of up to 120 meters are the foams of choice for use in vehicle interiors, such as for headliners, seats, and door panels. Furthermore, INVICTA INDIA also offers two-component PUR foam systems for the mobility sector, covering the entire spectrum of system formulations, from flexible to integral and rigid foam solutions. For comfort and healthcare solutions, INVICTA INDIA develops, manufactures, and processes a broad range of tailor-made foam cores for innovative and ergonomic mattresses and pillows for both personal and medical use. High-level sleep or sitting comfort, excellent quality, and variable firmness and density allows for all kinds of options for implementation.



AUTOMATIVE BELT

Made to original equipment specifications, high quality cogged auto belts from INVICTA INDIA provide up to 3 times more service life than normal wrapped belts. Durable fibre chip rubber compound is used in these belts to provide high friction co-efficiency, excellent resistance to wear and flexibility. The unique cog design of the belt results in longer flex life over small and high speed. Impregnated with heat and oil resistant rubber compounds, these belts are highly flexible, corrosion and abrasion resistant. Cogged belts from InvictaIndia are applicable for most 2 wheelers, 3 wheelers, Passenger Cars, Multi utility vehicles (MUV), Commercial Vehicles and Tractors and other off-highway applications.



GROMMET

We have available with us a wide array of Industrial Rubber Grommets. For reinforcing the hole and covering from the sharp edges of the hole, these grommets are used. These grommets are precise in sizes, dimensions and finish. We can make these grommets in custom sizes & shapes too.

Features:Reliable

Ductile

Durable



DIAPHRAGMS

For more than 6 years INVICTA INDIA has begun with the manufacturing of rubber diaphragms. Since then the company has been developing as leading supplier and solution finder of individual requirements for all range of diaphragms: punched, moulded, with or without texture and thermoformed. Development partner for the diaphragm and its environment. Specific material development for high temperature. Competence centre to guarantee our customers state of the art development of diaphragms. High performing equipments (hysteresis, test bench...) Mastery of our production process that guarantees a great quality stability



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