



## INVICTA ADVANCED RUBBER COMPONENTS



[WWW.INVICTAINDIA.COM](http://WWW.INVICTAINDIA.COM)



## Our History

Founded by Mr. Gopal Chopra in 1995, Invicta is a family business that has grown from its humble beginnings of 3 employees and 200 sq ft of space to an organisation employing a little over 400 people and 200,000 sq ft of manufacturing space across 4 locations in India.

Having a rich manufacturing experience that spans over 23 years, Invicta caters to the automotive, industrial, power T&D and commercial equipment manufacturing industries as well as other manufacturers through its various products such as rubber parts, rubber bonded parts (engine mounts, rubber bushes etc.), high voltage polymer insulators, mechanical control cables, metal turned parts, sheet metal components, plastic injection moulded parts and rubber tooling.

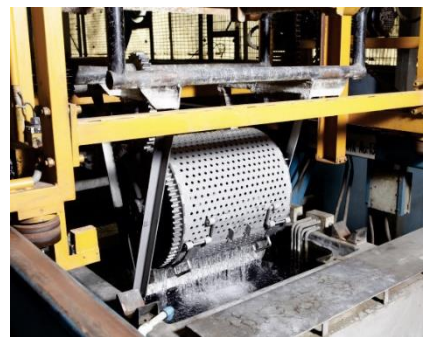


Being a family run business, Invicta values its relationships with customers, suppliers and employees alike. With an average customer age of 20 years, employees who have been with Invicta for up to 18 years (and counting!) and suppliers who have built their business (and families) working with Invicta for over 20 years all go a long way in establishing Invicta as a reliable and trust-worthy business partner.



# Manufacturing Capability

Having multiple product groups means having a varied and flexible manufacturing operation that allows for an efficient and effective deployment across product groups and manufacturing locations. Right from rubber compounding, sheet metal fabrication, an in-house phosphating and ultrasonic cleaning line to our moulding and hydraulic mount and bush assembly lines, Cable assembly lines and insulator manufacturing cells, our processes are well developed and constantly evolving to provide consistent and reliable products and services to our customers.





## **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.





## **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





## **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.

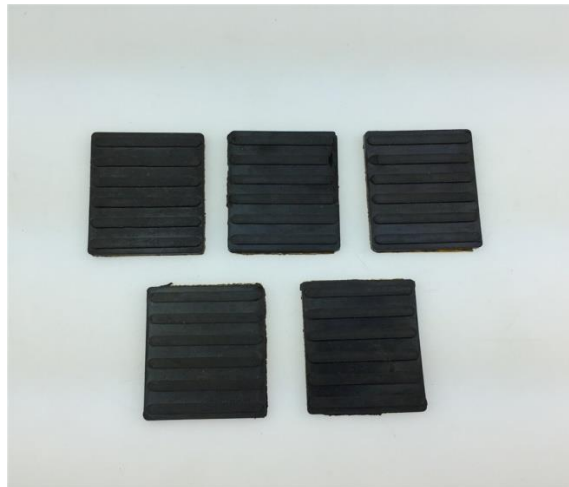
By following industrial quality standards, we are highly dedicated towards providing a supreme quality gamut of Rubber Flanges.





## 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 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.





## 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





# RUBBER MAT





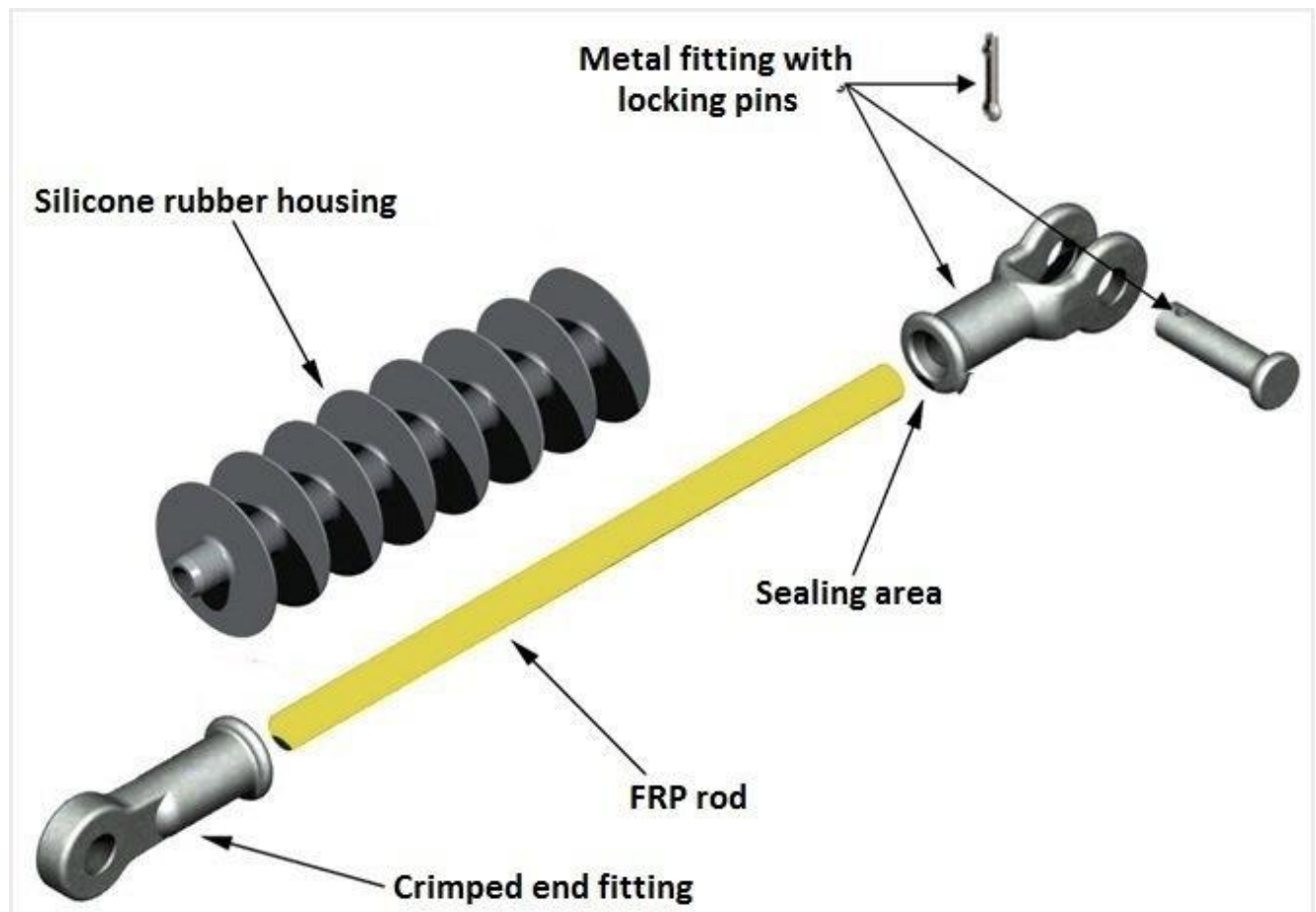
## MUD FLAPS





## POLYMER INSULATORS

We manufacture strain insulators, tension insulators, dead-end insulators, F-Neck (Pin) Insulators, Drop-Out Fuse insulators, Sub-station post insulators and surge arrestors. Our products range from 11kV to 400kV.





## TYRE RECLAIM





## **CONTACT INFORMATION**

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