

RUBBER PRODUCTS



Rubber has found itself used in many industrial duties because it provides and maintains elastic properties across a wide range of process conditions and temperatures. As a specialist supplier of seals and gaskets our development in rubber technology has remained progressive, with rubber lending itself so readily to so many sealing applications. Whilst no single grade has all the desired properties, indeed some properties may only exist in one type of rubber, by understanding the service conditions a suitable grade can generally be selected from stock or achieved through careful compounding to a new specification.

- **Neoprene**



Neoprene rubber is a highly resistant material. Also known as polychloroprene, it is produced by the polymerization of chloroprene. Neoprene rubber resists degradation more than natural or synthetic rubber. The material has good chemical stability and is flexible over a wide range of temperatures.

The rubber has superb weathering and ozone resistant properties as well as being suitable for use with greases, inorganic salts, acids, water and oils. This means that it is ideal for a whole range of outdoor uses, particularly where there is extensive exposure to water and the weather. Because of these qualities, Neoprene is also used for applications such as corrosion-resistant coatings, landfill linings and marine applications.

Seals, hoses and gaskets are made from Neoprene rubber sheeting and are often used with refrigerants and oils, both animal and vegetable. Neoprene rubber sheeting is also used to provide noise isolation in power transformers and as a base for adhesives. Its resistance to burning has led to it being used as weather stripping for fire doors.

- **Nitrile**



Nitrile rubber, also called nitrile-butadiene rubber (NBR, Buna-N), is a synthetic rubber that provides excellent resistance to petroleum-based oils as well as mineral and vegetable oil. Excel Industrial Packings can work with your business to design and provide nitrile parts customized for the specific needs of your applications.

Nitrile rubber is resistant to heat aging which allows to not harden and lose its damping capability as quickly as other solutions. Nitrile rubber is also a great material choice for applications that require abrasion resistance and metal adhesion.

Due to its versatility and strong resistances, nitrile material is used in applications involving not only oil, fuel, and chemical resistance, but also those that require resistance to heat, abrasion, water, and gas permeability. From oil rigs to bowling alleys, nitrile rubber can be the right material for your application

- **Silicon**





Silicone is one of the materials of choice for any application that deals with environmental factors that can break down other solutions. When it comes to extreme temperature, silicone rubber offers a great range of resistance in both hot and cold environments. In addition, silicone offers far superior tensile strength, elongation, tear strength, and compression sets in extreme temperatures than conventional rubbers.

In addition to temperature resistance, other advantages of silicone rubber include insulation from electricity, compression set resistance, and the ability to repel water. Because of these advantages, silicone rubber is a versatile material that can help businesses invest in rubber products that not only withstand difficult conditions, but also perform as necessary for a long time.

- **Viton**



Viton is a fluoropolymer elastomer and synthetic rubber compound. It's a fluorinated hydrocarbon rubber product with amazing capabilities, designed to withstand even the most challenging of environments.

The standard grade for Viton is A grade, which has 66 percent fluorine content and is most commonly used in o rings and seals. Viton B offers better fluid resistance and Viton F is particularly good for resistance to fuel permeation. High performance grades are also available but do discuss with us if you're not sure what you need.

- **Butyl**



Butyl rubber offers some special capabilities to make it a potential option for applications that need quality sealing, lining, mounting, or more. In addition to tremendous shock absorption, butyl features exceptionally low gas and moisture permeability and outstanding resistance to heat, aging, weather, ozone, chemical attack, flexing, abrasion, and tearing. It is resistant to phosphate ester based hydraulic fluids, and has excellent electrical insulation performance. Butyl Rubber sheet is extremely flexible, perfect for waterproofing hydraulic works, roofs, renovation, swimming pools, tunnels, walls, etc.

Excel Industrial Packings works with business to design and provide customized butyl rubber products that specifically address your application's performance needs.

- **EPDM**



EPDM – also known as ethylene propylene diene monomer – is an extremely versatile material used in a variety of applications. When you need a rubber material that offers excellent resistances to weather, heat, and other factors without breaking the bank, EPDM may be the right option for your needs. EPDM rubber is a high-density synthetic rubber used for outdoor applications and other spaces in need of tough, versatile parts. With more than three decades of experience in providing custom rubber solutions for businesses, Excel Industrial Packings can work with you to provide the right EPDM parts for your applications.

- **Ebonite**



Ebonite is a brand name for a material generically known as hard rubber, and is obtained by vulcanizing natural rubber for prolonged periods. Ebonite may contain from 25% to 80% sulfur and linseed oil. Its name comes from its intended use as an artificial substitute for ebony wood.

Ebonite is used as an anticorrosive lining for various vessels that contain dilute hydrochloric acid . When the surface of ebonite is polished, it gives a beautiful, lacquer-like gloss. Also, with a characteristic that does not disturb tones, it is used as inner pipes of woodwind instruments.

- **Hypalon**

Hypalon is a chlorosulfonated polyethylene (CPSE) synthetic rubber. It is highly resistant to the deteriorating effects of ozone and oxygen, and has high resistance to weather, heat, oil and chemicals making it a commonly used material for gaskets, seals, plugs, and cables. Hypalon resists discoloration on exposure to light, and is widely used in light-colored vulcanizates. It can be compounded to give excellent mechanical properties—for example, high tensile strength and abrasion resistance. Several types and grades of Hypalon are available for a variety of end use requirements which can be processed and used in the usual manner for solid elastomeric vulcanizates. However, several types are also of value in two additional areas— unvulcanized applications and solution coating applications.

- Polyurethane



Polyurethanes also called urethanes, belong to the family of elastomers, an artificial rubber. They are unique in combining the strength of rigid plastics with the flexibility and elasticity of rubber. Polyurethane rubbers are two-component systems (base plus curative; A+B) that cover a wide variety of applications at a relatively low cost. They are available for making molds that are poured, brushed or sprayed onto a model.

Hoses, automotive bushings, seat foam, skateboard wheels, and Spandex are all common polyurethane applications.

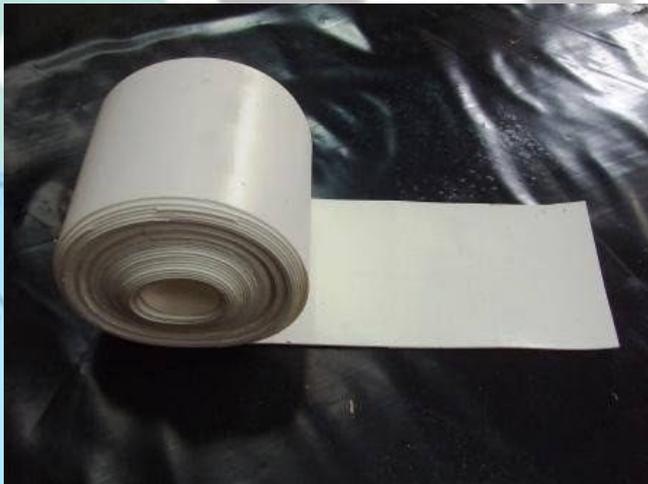
- **Sponge**



Most natural and synthetic grades of rubber are also available in Sponge rubber with either open cells or closed cells. Open-cell sponge rubber contains open, interconnected pockets that permit the passage of air, water, gases, and chemicals when the material is not compressed thus, will absorb fluid, such as a sponge; varying densities and materials of open cell can be used for packaging, acoustic and sound insulation, filters and low pressure duty dust tight seals. Closed-cell sponge rubber contains balloon-like cells that prevent the passage of these substances at low pressures thus, do not readily absorb fluid and make excellent gaskets in cut or strip form to make effective low cost and low pressure fluid seals.

Sponge rubber products are used for cushioning, shock absorption, vibration dampening, weather stripping, and soundproofing. Sponge rubber is also used in thermal insulation, filters, and custom gaskets that need to meet various standards and approvals.

- **Food grade / non toxic**





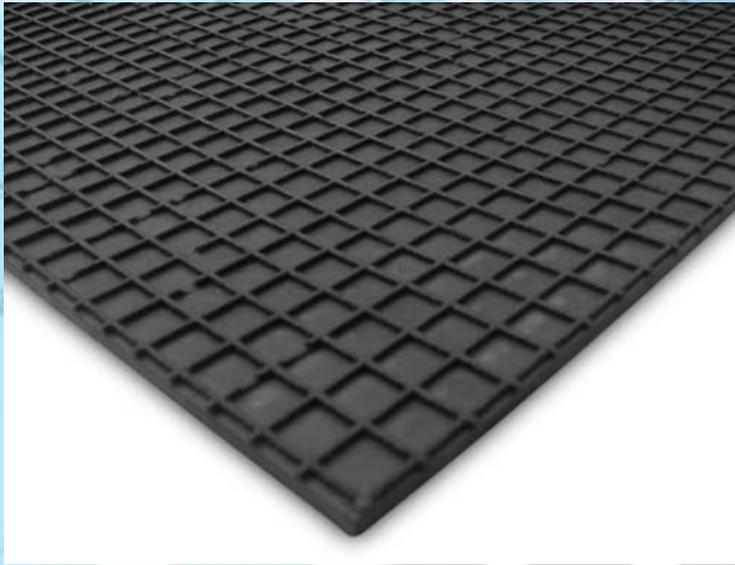
Food grade rubber is a specially certified grade of rubber approved for use in food manufacturing and packaging. At Excel Industrial Packings, food grade rubber products are carefully crafted using high quality approved SILICONE, NR, EPDM, SBR, Neoprene, Silicone and Polyurethane rubber depending upon application & user requirement. In addition to food, food grade rubber can be used for liquids and pharmaceutical manufacturing.

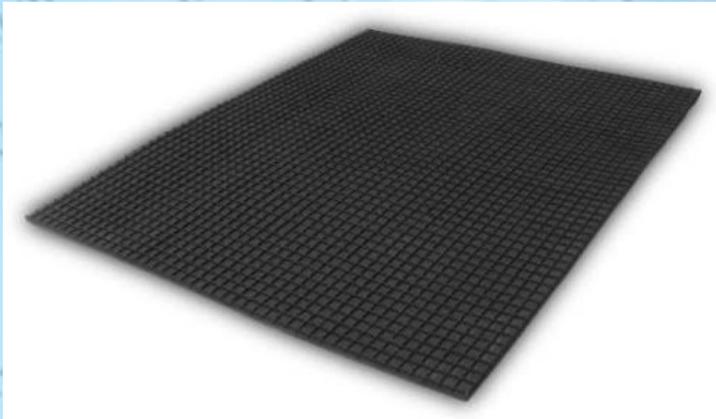
Our food grade rubber is an exceptional product due to its many food safe properties. Being non-toxic and with high temperature range, it is ideal for use in the preparation and storage of food. In addition to being non-allergenic, it is resistant to mould and water, which means organic material will not form on the rubber. It is also odourless and tasteless meaning it will not affect the quality and properties of the food it is used with. It is a tough and reliable material with a long life span. Excel Industrial Packings can manufacture all of their products in food grade rubber, including seals, gaskets, sheets, and extruded and moulded parts.

We offer abrasion resistant Food grade rubber sheets to be used in Pharmaceutical Industries and R&D Laboratories, Food, Dairy, Breweries, Oil Mills and other allied Processing Industries. As the name suggests the Rubber & Chemicals used in manufacturing are free from toxic, odour ingredients & inert in nature. Available in milky White, Off White or Honey & Color.

Our products go through rigorous testing to make sure that they will withstand the extremes in temperature and wear. All machinery are washed with 5% caustic Soda solution before commencing Production. Strict parameters & quality check is adopted.

- **Electrical Checkered Rubber Sheet**





Electrical checkered rubber sheets are manufactured using natural rubber, latex and electrically resistant elastomeric compounds which are as per the industry laid standards. Due to their high mechanical properties they are also popularly used as rubber mats for LPG loading & unloading purposes. The electrical checker rubber mats are available in both fluted and checkered design and standard sizes of 1M x 2M. Their thickness ranges from 6mm to 25mm.

Our electrical checker sheets are used to protect the workmen against any electrically hazardous situation. These insulated rubber mats are personal protective gear for electricians, engineers, and workers in industrial sectors. Our rubber mats are popular among industrial users because of its quality and durability, highly economical and easy to use features. Excel Industrial Packings is a household name for industries to get unparalleled quality rubber mats.

If you can't find what you are looking for, or require a bespoke product, please do not hesitate to contact us.

We will manufacture as per the specifications, drawing or sample provided by you .

Customer Service

We are happy to answer any questions that you might have about this product. Please contact us for more information.

Delivery / Shipping

Orders are processed as quickly as possible. Please allow a few days for delivery of your order.

International deliveries can be arranged for you. Additional shipping costs can be quoted on request.

Returns Policy

While every effort will be made to fulfil your order correctly, if for any reason you do not receive the correct goods then please contact us and we will be happy to correct your orders

