

ARVICO[®]
RUBBER



ARVICO RUBBER INDUSTRIES
Moulded To Perfection

ABOUT US

Established in 1966, Arvico Rubber Industries has grown into one of India's leading manufacturers and exporters of high-performance Polymer and PTFE products. Over the decades, we have transformed challenges, whether evolving customer demands, strict deadlines, or market shifts, into opportunities for innovation and excellence.

With deep expertise in custom-engineered components, we deliver solutions designed to meet the most demanding application needs. Our diverse portfolio includes diaphragms, sleeves, gaskets, stators, O-rings, molded rubber parts, metal/PTFE bonded components, and a wide range of specialized rubber products trusted by industries worldwide.

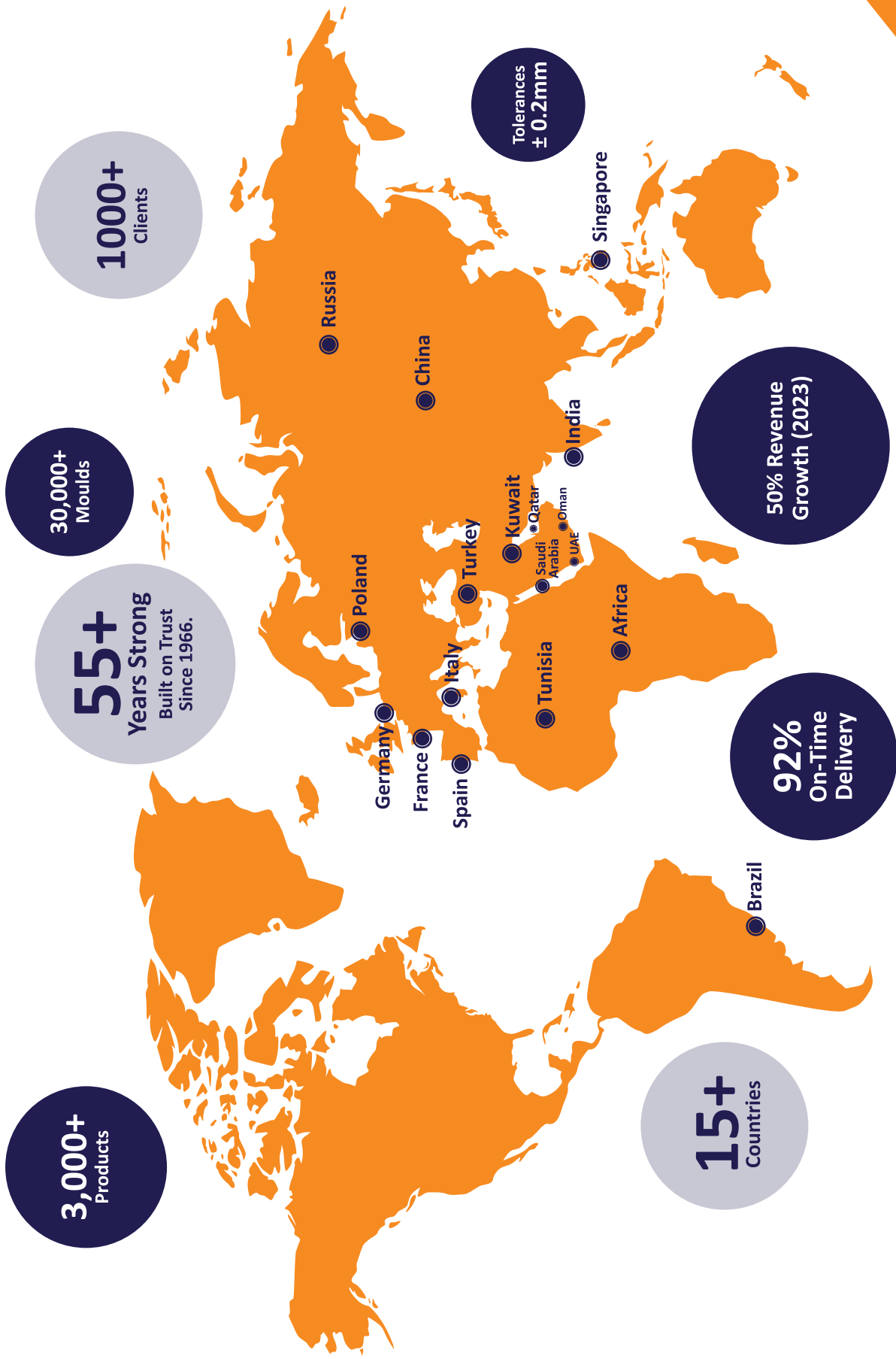
We manage the entire production cycle, from sourcing premium raw materials to precision manufacturing, quality inspections, and secure packaging. This end-to-end approach guarantees consistency, traceability, and uncompromising reliability in every product that carries the Arvico name. As a client-focused brand, we offer customizations, ensuring our products deliver precision, performance, and lasting value every time.

PROCESS FLOW



WORLDWIDE PRESENCE, WITHIN REACH

Where expertise meets global scale.



INDUSTRIES WE CATER TO



Sugar Industry



Oil & Gas



Pulp & Paper



Petrochemical



Food, Beverage &
Dairy Processing



Pharmaceutical &
Biotechnology



Nuclear &
Power Generation



Pump &
Valves

QUALITY CONTROL

At Arvico Rubber Industries, every product undergoes dimensional inspection and quality validation before leaving our facility. Each product is measured against critical performance parameters, ensuring consistency and reliability in the most demanding applications. By combining advanced testing with decades of know-how, we guarantee components that meet exact specifications and deliver unmatched durability in real-world conditions. Arvico's commitment to quality ensures that our customers can trust every part, every time.

Hardness: 20 A - 95 A | 30D - 90D

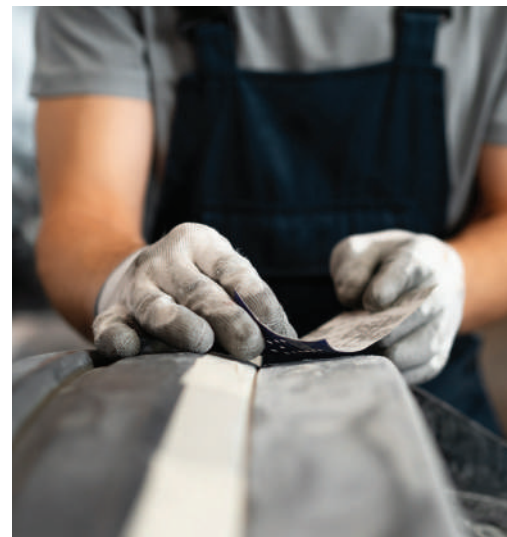
Temperature: -60°C To 324°C

Tensile Strength: 4 - 20 MPa

Elongation: 150% - 800%

Compression Set: 10-35%

Pressure Resistance: Up To 100 Bar



Performance ranges vary with material compound, design, and application, but Arvico's inspection and testing ensure that our precision engineering adapts to every unique requirement and consistently delivers trusted quality.



Arvico Rubber manufactures the following categories of Rubber Diaphragms in various grades of rubber such as Natural, Nitrile, Neoprene, Hypalon, Butyl, EPDM, Silicone, Viton, and many more.



Valve Weir 'A' Type Body Diaphragms (Open To Close)

Valve Diaphragms by Arvico Rubber fulfils the needs of most corrosive and abrasive applications. On pressure and vacuum, diaphragm operates Open and close 100 % leak tight even after thousands of operations enhancing Valve performance , superior flex life, saving significant operation costs.

- Size Range: 6 mm to 350 mm
- In PTFE Bonded : 6 mm to 250 mm



Straight Through "KB" Type Body Diaphragms (Close To Open)

Our diaphragms have fabric sandwiched between two elastomer layers to withstand higher pressures which offer flexible movements during the process. Our diaphragms with a non-turbulent flow are ideally suited for demanding abrasive applications with 100% leakage-free operation and low maintenance costs.

- Size Range: 15 mm to 200 mm



Control Valve Diaphragms

Arvico rubber manufactures and exports Control Valve Diaphragms. We offer various types of diaphragms in different thicknesses, which can work in extreme cold conditions to maintain pressure & temperature with hassle-free operation.



Actuator Diaphragms

The valve actuator moves the stem, compressor, and diaphragm simultaneously. Actuator diaphragms help to regulate the flow and transfer of fluids. They act as a flexible barrier between two chambers preventing the movement of fluids. We provide actuator diaphragms based on customer specifications and needs.





Solenoid Valve Diaphragms

The Solenoid Valve consists of a rubber diaphragm, a thin, flexible membrane used to control the opening and closing of the Valve, thereby changing the state of the Solenoid Valve. We offer Nylon fabric reinforced Rubber Diaphragms with Metal Assembly as per customer specifications and requirements.

- Size Range: 15 mm to 50 mm



AODD Pump Diaphragms

Along with Valve Diaphragms, Arvico Rubber can manufacture pump diaphragms too. An AODD (Air Operated Double Diaphragm) pump handles fluids, Abrasive Slurries & Sticky Fluids that are hard to move and react to. A suitable diaphragm is undoubtedly one of the most crucial components of an AODD pump.

- Size Range: 15 mm to 80 mm



Rolling/Cup Type Diaphragms

Arvico Rubber's rolling diaphragms are flexible fluid control devices. They are crucial in systems involving the sealing function of a cylinder and piston. Rolling diaphragms are typically made of elastomer and fabric sandwiched between two layers of rubber. We offer rolling diaphragms to precisely meet the requirements of your application.

- Size Range: 25 mm to 200 mm



Dosing / Metering Pump Diaphragms

We offer PTFE Laminated Diaphragms with Metal/ Nylon Inserts embedded, which are used in Dosing Pumps in various industries. The PTFE layers offer resistance against highly corrosive chemicals, thereby increasing the life of the Diaphragm. These are leakproof and commonly used for highly corrosive or toxic media.



Pressure Reducing Valve (PRV) Diaphragms

These Diaphragms are flexible seal that help the Valve to take high inlet pressure and reduce it to lower outlet pressure. Our diaphragms can sustain a temperature maximum of up to 250 °C to -50 °C.



Vaccum Pump Diaphragms

Arvico Rubber offers Vaccum Pump Diaphragms which help to change the pressure in a contained space to create a full or partial vacuum either mechanically or chemically. These diaphragms are manufactured with heavy-duty Fabric Reinforcements.



Fire Protection Deluge Valve Diaphragms

Our diaphragm for the deluge valve utilizes a Kevlar-reinforced hemispherical rubber diaphragm to hold back water when the valve is in standby mode. The diaphragm has been specifically designed for high endurance, coping with working pressure to withstand up to 300 psi. Our diaphragm design, without mechanical moving parts, requires low maintenance and provides an obstacle-free waterway, minimizing the pressure loss through the valve.



Expansion Bellow

Rubber Expansion Bellows are an assembly which are used primarily in piping applications to compensate for thermal expansion and contraction, reduce noise and vibration produced by the rotating element as well as relieve pipe stress during operation. We offer Bellows with and without Metal Flanges. These include Single, Double Arch, Tripe Arch Rubber Expansion Bellows, Floating Flange Rubber Expansion Bellows, Twin Sphere Connectors as well as Duct Type Expansion Joints.

- Size Range: 25mm to 1200mm



OUR PRODUCTS



Seat For Butterfly Valve

Sleeves or seat rings are blockage units that prevent two parts' leakages. Our Butterfly valve sleeves offer exceptional blockage in three possible leakage paths, pipe sealing, flanges, and operating shafts. We know that even minute differences in the surface or size of these sleeves can lead to a loss of efficiency for our clients. Our butterfly valve sleeves are calibrated precisely, offer exceptionally high pressing actions, and are abrasion-resistant.

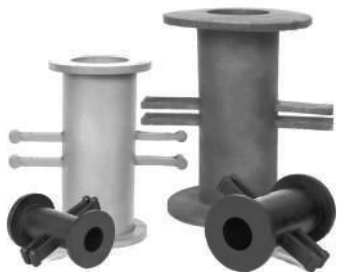
- Size Range: 25 mm to 700 mm



Rubber Stators For Screw Pump

Rubber Stators are stationary parts of a rotary system and are usually one of the most vital parts of any screw pump. Stators are incredibly resistant to abrasion and tear. They can handle fluctuating temperatures and pressure variations used in various industrial applications where there is a need to drain, pump out and move industrial fluids.

We manufacture Screw Pump stators with or without the Outer Metal Casing. manufactured with heavy-duty Fabric Reinforcements.



Muff For Pinch Valve

Rubber sleeves of Pinch valves are available in a wide range of elastomers. The reinforced lugs on both sides of our rubber sleeve fixed to the pinching bars help retract of rubber sleeve in vacuum service conditions. Food-grade rubber sleeves are also available. The full-bore sleeve integrates the valve perfectly into the pipeline, eliminates turbulence, and minimizes pressure losses. Technologically advanced sleeves guarantee high wear and corrosion resistance, trouble-free operation, and an extended lifetime.

- Size Range: 25 mm to 200 mm



Extruded Profiles

Arvico Rubber can manufacture various kinds of rubber extrusions like extruded rubber products, extruded gaskets, extruded profiles in different shapes, design and sizes as per customer design / specifications. A variety of rubber extrusions of complex profiles and lengths are available. We can also do edge molding / jointing of rubber profiles through injection molding process & adhesive process. These rubber profiles are stringently monitored on various parameters.

Our Extruded Profile features are Heat resistant, Dimensional accuracy, Withstand high pressure and High strength.



Rubber Sheet

Our high-quality rubber sheets offer excellent resistance to abrasion, chemicals, and weathering. Designed for versatile industrial use, they are ideal for insulation, sealing, padding, and protection in a wide range of applications. Available in various grades including Nitrile, EPDM, and Neoprene to suit specific performance needs.



O-Ring

Precision-molded rubber O-rings ensure reliable sealing across a broad spectrum of pressures and temperatures. Engineered to prevent leaks in static and dynamic applications, our O-rings are available in multiple elastomers like NBR, FKM, and Silicone, making them suitable for automotive, hydraulic, and industrial systems.



Impeller

Durable rubber impellers deliver efficient fluid transfer in pumps, offering excellent resistance to wear, corrosion, and harsh media. Designed to maintain flexibility and strength, even under demanding operating conditions, our impellers are ideal for marine, agricultural, and industrial pumping applications.



Gasket

Engineered for secure and leak-proof sealing, our rubber gaskets are crafted to withstand extreme temperatures, pressure, and chemical exposure. Customizable in shape and material, they provide reliable performance in piping, machinery, automotive, and HVAC systems.



DIAPHRAGM FITTINGS



Bayonet Type



Button Type



Screw Type

SANTOPRENE DIAPHRAGMS

Santoprene diaphragms are crafted from thermoplastic rubber, a material that combines the flexibility of rubber with the durability and processability of plastics. Engineered for demanding environments, these diaphragms offer outstanding fatigue and chemical resistance, ensuring long-lasting performance and protection against degradation in dynamic applications such as pumps and valves. Lightweight and cost-effective, Arvico's Santoprene diaphragms provide a reliable sealing solution for industries that demand durability, chemical compatibility, and consistent performance under challenging operating conditions.

Size: As per Customer Requirements



Arvico Rubber Industries manufactures high-performance PTFE diaphragms engineered for long-lasting reliability in demanding pump applications. Our diaphragms are tested to withstand up to 5 million cycles, ensuring extended service life with minimal maintenance. With excellent temperature resistance, they perform consistently even under extreme conditions.

We offer two variants - Virgin PTFE for maximum purity and chemical resistance, and Modified PTFE for enhanced flexibility and sealing properties, making them the ideal choice for handling aggressive media, high-temperature fluids, and critical processes where precision and durability are essential.



Balls



O - Rings



Rubber Backup Pad



Chevron Set

CERTIFICATIONS & AFFILIATIONS

At Arvico Rubber Industries, quality and reliability are at the core of everything we do. Our manufacturing excellence is backed by globally recognized certifications including **ISO 9001**, **ISO 14001**, **ISO 45001**, and **IATF 16949**, ensuring consistent product quality, environmental responsibility, and workplace safety. We are also **GMP**, **RoHS**, and **REACH compliant**, reflecting our commitment to safe, sustainable, and eco-friendly production standards. Accredited by leading authorities such as **FDA**, **CE**, and **AIRIA**, Arvico Rubber Industries continues to be a trusted partner for industries worldwide - delivering products that meet the highest international benchmarks.



OUR CLIENTELE



COMPANY PROFILE



ELASTOMER COMPARISON CHART

PHYSICAL PROPERTIES	NATURAL	NITRILE	HNBR	NEOPRENE	HYPALON
Tensile Strength (Mpa)	22	13	22	14	20.3
Elongation	750%	350%	300%	350%	540%
Hardness Range (Shore A)	40-80	50-80	50-90	50-80	40-95
Low Temperature (°C)	-55	-50	-30	-45	-50
High Temperature (°C)	70	90	150	110	140
Density (g/cm3)	1.1	1.3	1.4	1.3	1.35
Compression Set (ASTM D 395 2B)	20% (24h @70°C)	36% (24h @100°C)	20% (24h @100°C)	35% (24h @100°C)	25% (70h @70°C)
Specific Gravity	0.93	1	1.2	1.23	1.28
Vulcanizing Properties	Excellent	Excellent	Excellent	Excellent	Excellent
Adhesion to Metals	Excellent	Excellent	Excellent	Excellent	Excellent
Adhesion to Fabrics	Excellent	Excellent	Excellent	Excellent	Good
Tear Resistance	Good	Fair	Excellent	Good	Fair
Abrasion Resistance	Excellent	Excellent	Good	Very Good	Excellent
Permeability to Gases	Fair	Fair	Good	Good	Poor
Acid Resistance					
Mild Dilute	Poor	Poor	Fair	Very Good	Excellent
Strong Concentrate	Poor	Poor	Fair	Good	Very Good
Solvent Resistance					
Aliphatic Hydro Carbons	Poor	Excellent	Excellent	Fair	Good
Aromatic Hydra Carbons	Poor	Poor	Good	Poor	Fair
Oxygenated (Ketones, etc)	Poor	Poor	Good	Poor	Poor
Resistance To					
Swelling in Lubricating Oil	Poor	Very Good	Excellent	Good	Good
Oil and Gasoline	Poor	Excellent	Excellent	Good	Good
Animal Oils	Poor	Excellent	Excellent	Fair	Good
Water Absorbtion	Very Good	Very Good	Very Good	Good	Very Good
Oxidation	Fair	Good	Excellent	Very Good	Excellent
Ozone	Poor	Fair	Very Good	Very Good	Excellent
Sunlight Aging	Poor	Poor	Good	Very Good	Excellent
Heat Aging	65°C	90°C	140°C	95°C	135°C
Flame	Poor	Poor	Fair	Good	Good
Heat	Good	Very Good	Good	Very Good	Excellent
Cold	Excellent	Fair	Good	Good	Good



BUTYL	EPDM	SILICONE	FLOUROSILICONE	VITON (FKM)	POLY URETHANE	PTFE
17	15.2	10	8	10	14	31
800%	450%	580%	225%	300%	370%	450%
35-85	50-80	30-80	40-80	70-85	60-90	50-60 Sh D
-50	-50	-50	-63	-45	-62	-80
120	150	230	185	230	100	260
1.3	1.2	1.2	1.5	1.8	1.7	2.16
40% (70h @70°C)	50% (22h @125°C)	39% (22h @175°C)	22% (22h @177°C)	15% (70h @200°C)	35% (22h @70°C)	NA
0.92	0.86	0.98	1.7	1.85	1.06	NA
Fair	Excellent	Excellent	Excellent	Good	Excellent	Excellent
Fair	Very Good	Fair	Good	Good	Excellent	Excellent
Fair	Good	Fair	Good	Excellent	Excellent	NA
Good	Good	Poor	Poor	Fair	Excellent	Very Good
Good	Excellent	Poor	Fair	Good	Excellent	Excellent
Poor	Fair	Fair	Excellent	Poor	Fair	Excellent
Excellent	Very Good	Excellent	Excellent	Excellent	Fair	Excellent
Very Good	Good	Fair	Good	Excellent	Poor	Excellent
Poor	Poor	Poor	Very Good	Excellent	Excellent	Excellent
Poor	Poor	Poor	Excellent	Excellent	Good	Excellent
Fair	Good	Poor	Fair	Fair	Poor	Excellent
Poor	Poor	Poor	Excellent	Excellent	Excellent	Excellent
Poor	Poor	Fair	Good	Excellent	Excellent	Excellent
Good	Fair	Good	Excellent	Excellent	Excellent	Excellent
Excellent	Very Good	Excellent	Excellent	Excellent	Fair	Excellent
Fair	Excellent	Excellent	Excellent	Good	Excellent	Excellent
Fair	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Fair	Excellent	Excellent	Excellent	Good	Good	Excellent
110°C	145°C	180°C	180°C	205°C	85°C	350°C
Poor	Poor	Fair	Excellent	Excellent	Fair	Excellent
Very Good	Very Good	Good	Excellent	Excellent	Good	Excellent
Good	Good	Excellent	Good	Fair	Excellent	Excellent



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