



Laxmi Rubber Products

**Strength that Lasts,
Quality You Can Trust.**



About Us

Since 1965, Laxmi Rubbers has overcome industry challenges like changing markets, strict demands, and tight deadlines. Today, we are recognized for our expertise in manufacturing and exporting Polymer and PTFE products from India.

We specialize in custom-engineered rubber solutions, offering products like diaphragms, extruded profiles, butterfly valve seats, and screw pump stators tailored to your needs. Our expertise also covers O-rings, molded rubber parts, and Metal/PTFE-bonded rubber components. Our team is dedicated to delivering quality products, with thorough testing to ensure precision and meet industry standards.



40+

**YEARS IN
INDUSTRY**

1400+

**SATISFIED
CLIENTS**

8

**COUNTRIES
SERVED**

2800+

**PRODUCT
TYPES**

20,000+

**MOLDS
CREATED**

OUR VALUES



COMMITMENT:

We are deeply dedicated to delivering the best in every aspect of our work.



INNOVATION:

We constantly look for new and improved ways to serve our customers.



TRANSPARENCY:

We believe in being transparent and truthful in all our dealings.



Why Us?

- Our simplified processes help minimize extra costs, ensuring competitive prices for all your components.
- We offer a wide range of products, all tailored to meet individual customer requirements.
- We gladly accept custom orders. With our in-house team handling tooling, compounding, and design, we guarantee your exact specifications are met, every time.
- We understand the importance of timely delivery for our clients, and we work hard to deliver products on or ahead of schedule.

Industries We Cater



Pharmaceutical



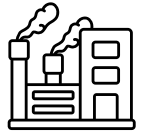
Petroleum



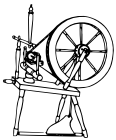
**Electrical &
Electronics**



**Food & Dairy
Products**



Chemical



Textile



Automotive



**Transport &
Logistics**



**Medical &
Life science**



Ceramics



**Sugar
Industries**



**Fertilizers
Industry**



Irrigation



Packaging



Nuclear



**Paper &
Pulp**



O Rings

O Rings are circular seals used in various industries to prevent the leakage of fluids or gases between two connected parts. These small but essential components ensure a tight, secure fit in machinery, plumbing, and everyday household appliances.



Common Uses of O Rings

Automotive Industry

- Used in engines, transmissions, fuel systems, and air conditioning systems to prevent leaks and ensure proper sealing.

Plumbing

- Installed in faucets, pipes, and valves to create watertight seals and prevent leaks.

Aerospace Applications

- Found in aircraft systems, including hydraulic and fuel systems, to ensure secure seals under extreme conditions.

Medical Devices

- Used in medical equipment like pumps, ventilators, and fluid transfer systems to ensure contamination-free operations.

Industrial Machinery

- Essential in sealing hydraulic cylinders, compressors, and pumps to maintain pressure and prevent leakage.

Food and Beverage Industry

- Used in food processing equipment and beverage dispensers to ensure sanitary seals and avoid contamination.

Electronics

- O Rings are used in waterproof casings and connectors to prevent moisture from damaging sensitive components.

Oil and Gas Industry

- Employed in drilling equipment and pipelines to ensure leak-proof operations under high pressure.

O Rings - The Perfect Seal for Every Need!

Whether you need them for industrial machines, home plumbing, or automotive parts, O Rings provides a reliable seal that keeps everything running smoothly. Small but powerful, these rings offer big protection where it matters most.



Diaphragm Classification



**PVR
Diaphragm**



**Metal Bonded
Valve Diaphragm**



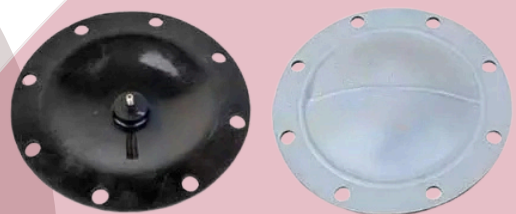
**S Series Saunders
Weir 'A' Type Teflon
Laminated Diaphragm**



**S Series Saunders
Weir 'A' Type
Diaphragm**



**Control Valve Actuators
Diaphragm**



**Reverse-Type Rubber
Teflon PTFE Diaphragm**

Diaphragm Classification



Hollow-Type Control Valve Diaphragm



Spare Diaphragm



Valve Diaphragm



PTFE Diaphragms



Impellers

Rubber Product

Rubber is one of the most versatile and widely used materials in manufacturing today. Its flexibility, durability, and resistance to wear make it essential for a broad range of industries. Rubber products are known for their ability to withstand extreme conditions, including high temperatures, pressure, and chemical exposure.

At Laxmi, we offer various rubber products such as rods, O-rings, diaphragms, and bellows, designed to cater to industries that deal with abrasive and demanding environments. Our rubber products provide reliable sealing, insulation, and protection, making them ideal for applications across automotive, industrial machinery, and construction sectors.

We also specialize in customized rubber solutions, tailoring our products to meet the specific needs of our clients, ensuring optimal performance and durability for every application.



Diaphragm Fittings



Screw Type



Button Type



Bayonet Type

Unique Features



Wide range of product options



Sizes available from 1/4" to 40" in diameter



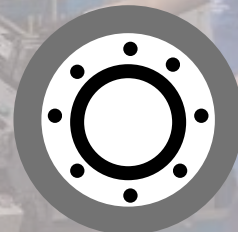
All dies are custom-made in-house



Fabric reinforcements handle up to 1000 psi (100 bar)

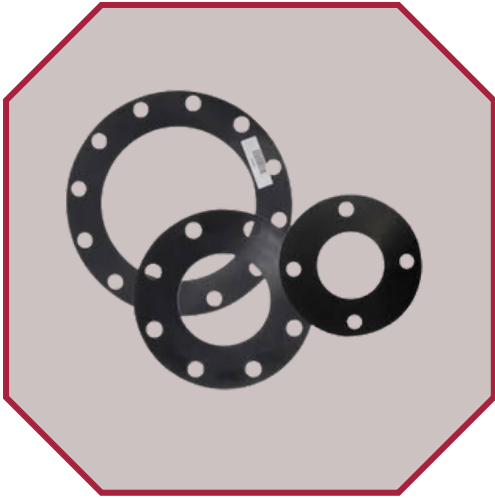


Special elastomers can handle extreme temperatures from -50°C to +250°C

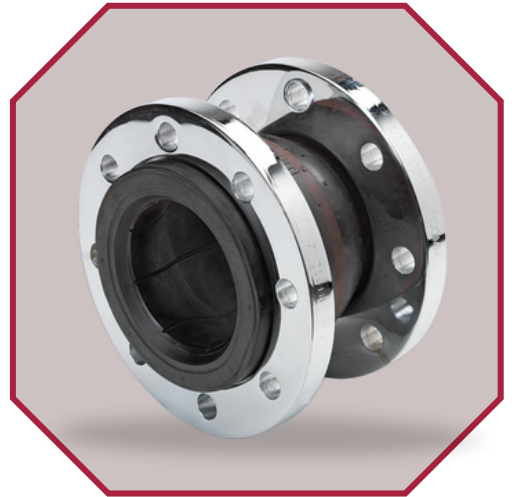


Production of OEM replacement diaphragms

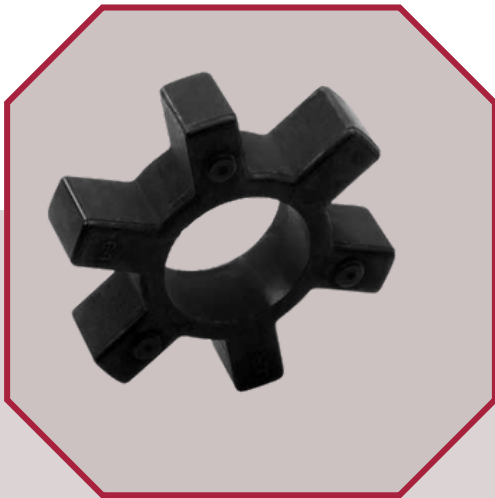
Other Products



Gasket
(Gaskets,Washers,T/C Gaskets,
Silicon Gaskets,Flange Gaskets,
Butterfly Valve Gaskets,Diecut
Gaskets)

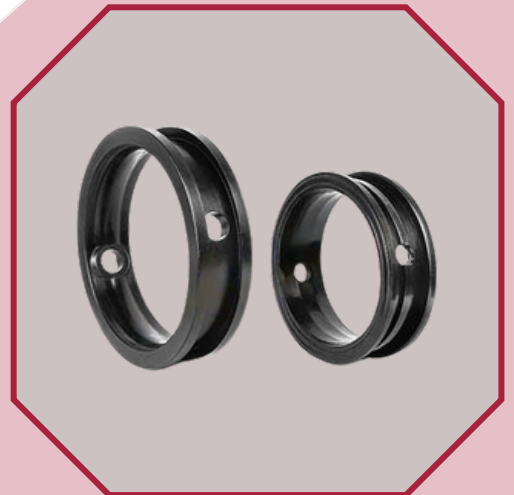


Expansion Joints

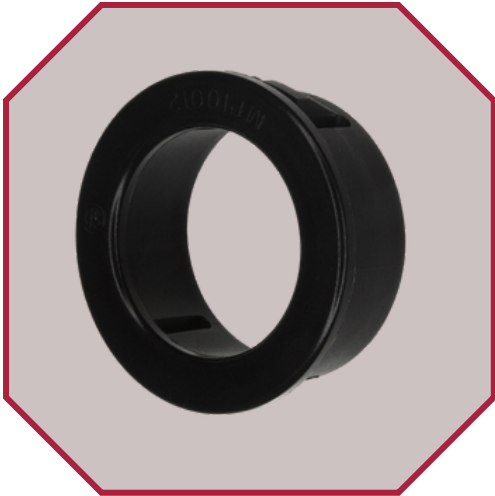


Rubber coupling

Sleeves / Seat Rings
(Butterfly Valve Sleeves)

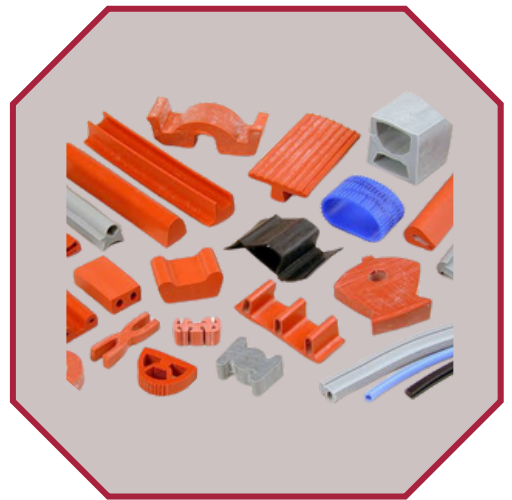


Other Products



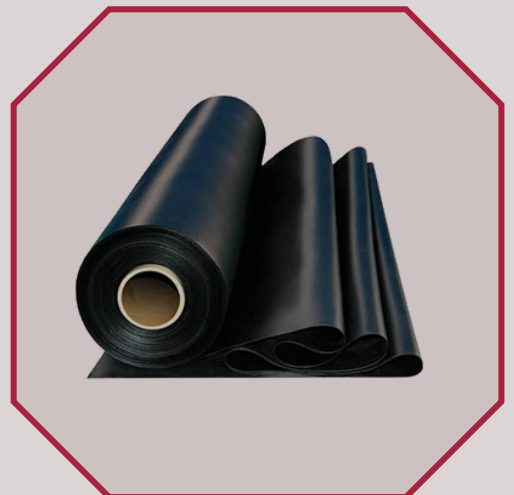
Bushes
(Rubber Bush,Bearing Bush)

Extruded Profiles
(Extruded Profiles,E Extruded Profiles,
Custom Extruded Profiles)



Rubber Cord
(Rubber Cord,Silicon Cord,Viton Cord)

Rubber Sheets
(Natural Rubber Sheet,
NBR Rubber Sheet,Silicon Rubber
Viton Rubber Sheet)



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



Elastomer Comparison Chart

BUTYL	EPDM	SILICONE	FLOURO SILICONE	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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