

Manufacturer-Exporter
of
RUBBER & PLASTIC
Products



Softex Industrial Products Pvt. Ltd.

NSIC Registered ISO 9001:2008 Certified Company

SEALS FOR HYDRAULIC & PNEUMATIC CYLINDERS



U Bucket / U & W, Piston, Rod Seals, Chevron Packings, Gland Packings & Lip Packings, Wiper seals, Guide rings, Cup seals, Tudco, Step Seals, Turcite Glyde Rings, INA Seals & any other seal of any section & material viz. Viton, Nitrile, Silicone, Neoprene, PTFE, Bronze/Glass/Carbon Filled PTFE, FRP & PU.

We have developed various Seal kits for different cylinder make like Vickers, Wipro, Oscar, Usha Telehoist, Schradder, Veljan Hydrair & others. We can also make any Seal Kit as per your particular requirement given sample/drawing of the same.

V-RINGS, O-RINGS & QUAD RINGS



V-Rings – Various sizes in E, L, S, A sections equivalent of Forsheda VRings for high speed sealing made of NBR & Viton rubber

O-Rings & Quad Rings – in Silicon, Viton, Neoprene & NBR rubber in various sizes for perfect sealing.

OIL SEALS & SHAFT SEALS



Shaft Seals with (Metallic oil seal)/without (Rubber outside) Metal Inserts, spring loaded/otherwise in various sizes from 6 mm to 800 mm ID in NBR & Viton rubber.

Type of Oil Seals we manufacture: A-Type, B-Type, C-Type, Sevanite (NSP), Walker

EXPANSION JOINTS & FLEXIBLE BELLOWS (Expansion & Suction)



Expansion Joints : Rubber/Metallic/Fabric based/PTFE Expansion Joints in various sizes & designs viz. Single arch, Multi arch, Tapered, Offset & Fitted arch. Joints can be supplied with Retainer rings & Control units.

Bellows : We make Rubberized fabric & Canvas bellows tailor made to fitment design. They are used as flexible joints in vibrating systems & as cover for piston rod & other moving components. Bellows are made with/without reinforcement in Neoprene, Silicone & Natural rubber for various industries like Steel, Aluminium, Food Processing and others. We also make **PTFE/Graphited PTFE bellows as per customer requirements.**

Expansion Bellows - Size range 80 NB to 1500 NB in Pressure ratings from 1 to 16 Bar

Suction Bellows- For Hydraulic pipelines with/without flanges from 25 NB to 200 NB

DIAPHRAGMS



We can make diaphragms of various sizes, in different shapes in Natural, Neoprene, EPDM, Silicone and Viton rubber to given sample/drawing.

We have also developed Teflon laminated rubber diaphragms for valve & pump.

SILICONE RUBBER PRODUCTS



- Transparent Silicone Rubber Tubings of Food & Pharma grade of various sizes
- Silicon Rubber Sleeves from 0.5mm ID to 25mm ID for insulation purposes
- Profiles of Silicone Rubber for industrial applications as per requirement
- Sponge Silicone Rubber Cords
- Corona Treater Sleeve upto 8" ID

RUBBER SHEETS



- Plain rubber sheets, Steam sheets, Para floating sheets, Sponge sheets, Food grade rubber sheets in material Viton, Silicone, Neoprene, Nitrile, Natural, EPDM etc.
- Insertion sheets (as per IS 638:1965) with/without reinforcement
- Rubberized Cork sheets (as per IS 4253, Part II, Grade RC 70 A, B or C) in 600 mm x 900 mm or 900 mm x 900 mm sizes and of thickness 2 mm to 16 mm
- Electric Insulation Rubber Mats (as per erstwhile IS 5424 & current IS 15652 – ISI marked) in different sizes & thicknesses as per customer requirements.
- Latex Sheets for Leather/Fashion/Medical industries

EXTRUDED RUBBER PROFILES



Colored Rubber Tubings, Cords, Strips, Channels, 'O' Ring Cord, Strips, Sponge Strips, Closed Cell Strips and other profiles made of Viton, Silicone, Neoprene, Nitrile, EPDM, & Natural Rubber.

RUBBER SEALING RINGS FOR GAS MAINS, WATER MAINS & SEWERAGES



- O-Rings for CID Joints (IS 5382:1969 & IS 10292) from 80-600 mm
- Rubber Gaskets for Mechanical Joints (IS 5382 and IS 12820) from 80 mm to 1500 mm
- Push on Joints – TYTON Gaskets (IS 5382 & IS 12820) from 80mm -1000 mm
- Rubber Ring Roll-on Joints (IS 458-1988) from 80 mm-2200 mm

MOLDED RUBBER COMPONENTS



- Rubber Cots
- Buckets
- Couplings
- Bushes
- Washers
- Anti Vibration Pads
- Gaskets
- Seals for Autoclaves & Hot air Furnaces
- Any other item as per client requirement.

VACUUM SUCTION RINGS & BAGS



Vacuum Bags (Normal & High Temperature) used for de-airing of air and compressing the laminates (Degassing) during the production of PVB/EVA/PU laminated glass.

Vacuum Suction Rings (Silicone/Non Silicone) used for facilitating vacuum in laminated glass.

INFLATABLE SEALS & INSERT SEALS



We have developed Glass/Nylon reinforced Silicone/Neoprene Inflatable Seals for 100 NB, 150 NB, 200 NB, 250 NB & 300 NB Butterfly Valves used for Ash Handling System of Coal fired Boilers, furnaces, kilns etc.

We have also developed Insert Seals in various sizes viz. 80 NB, 100 NB, 150 NB, 200 NB, 250 NB, 300 NB Dome Valves and Dump Valves made of Silicone, Neoprene & EPDM Rubber for MBL's, OSM, Clyde, Hyquip Equipment's Ash Handling Plants

RUBBER CONVEYOR BELTS



Rubber Conveyor belts of **Nylon/Nylon (NN)**, **Polyester/Nylon (EP)**, **Cotton/Nylon (CN)**. It has carcass with straight ply, stepped ply, reverse stepped ply, breaker ply and "edge-lock" where required.

The above constructions, with a wide range of protective rubber covers, are manufactured in **widths up to 1600 mm** in a most modern automated plant, using the finest raw material inputs.

Length : Open or endless upto 200 mtrs in single length.

Fabrics Plies : 2 plies to 8 plies

SOLID RUBBER TYRES MOLDED ON MS BAND & CUSHION TYRE (BEARCAT) FOR FORK LIFTS



Our solid & cushion Tyres range is technically engineered to suit all reputed make of Fork Lifts, Platform Trucks, Dango Charger, Alumina Charger and heavy duty material handling equipment after extensive R&D and field test.

Our standard sizes are from 10"x3"x6.25" to 26"x7"x20" in tyres bonded and molded on MS Bands. Our range of Bear Cat Tyres vary from 16"x4"x 8" (4x8) to 40"x10"x20" (1000x20). Any other size can also be developed as per customer requirements.

AIR CELL /CONSERVATOR BLADDERS FOR OIL TYPE POWER TRANSFORMER & FLEXIBLE STORAGE TANKS



We make flexible Aircell / Conservator Bladder/Flexible Separators/Breather bag/Transformer Rubber Bags for oil type power transformer with conservator.

We also make Flexible Storage system for Helium Gas for Cryogenics.

Flexible Storage Tanks in Pond shape/Pillow shape from 1000 ltrs to 30000 ltrs capacity

SMS DEMAG EQVT SEAL RIVAL Y RINGS



SMS Demag Seal Rival-Y-Rings (for reference purpose only) as per SN 853. Rival-Y-Rings are used for static sealing against utilities such as hot water, oils and greases upto 90 deg C from sizes 20-171 to 20-194.

ENGINEERING PLASTIC COMPONENTS



Wheel, Pad, Pulley, Pipe, Rod, Washer, Bush, Bobbins, Light Covers, Strainers, Filters, Ball Grids, Washer, Seal, Inner & Outer Labyrinth, Coupler Flange, Tee, Elbow, Pinion Gears, Nylon nut bolt & washer, Spacer in UHMWPE, PP, HDPE, LDPE, PU, PVC, Delrin, FRP, Nylon-6/66 etc. as per drawing or sample

POLYURETHANE (P.U.) PRODUCTS



Cast & Injection Moulded PU products viz. Polyurethane Screen panels, Screen mats, Hydrocyclone parts, PU Lining on Rollers, Sheets, Rods, Bush, Bearings, Impellers, Seals, Rotor Blades & Vanes, Buckets, Trolley Wheels & other customized components.

PTFE (TEFLON) PRODUCTS



Teflon Cords, Tubings, Washers, Seals, Rings, Gaskets, Bushes, Buckets, Packings, Rods, Sheets, Valve Balls, V Rings, Rotor Blades, Vanes, Line Bellows, Hoses, Spiral Gaskets, Envelope Gaskets & all filled Teflon items viz. Carbon filled, Bronze filled, Bronze + MOS2 filled & Glass filled..

HOSES & HOSE ASSEMBLY / FITTINGS

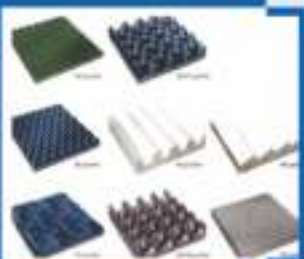


High Pressure Hose, Medium Pressure Hose, Low Pressure Hose, Petroleum Hose, Textile Hose, Industrial Hose, Steam Hose, Pneumatic Hose, Acid & Alkali Hose, & Hose Assembly

As per IS, BS & SAE100 Stds., trusted by OEMs of Hydraulic, Welding Eqpt & Earth Moving Machinery.

Our expertise lies in Hydraulic Hoses & Spiral Hoses for heavy duty application.

LIGHT DUTY INDUSTRIAL BELTS



We offer following Industrial Belts also:

- a. PVC / Polyurethane Conveyor Belts
- b. Nylon Sandwitched Power Transmission Belts
- c. Teflon Coated High Temperature Belts
- d. Timing Belts
- e. PU Cord

Textile, Paper, Steel Plant, Pharmaceutical, Food Processing, Engineering and many other allied industries are the areas where we are catering to with our range of power transmission, tangential drives, open end drives & light duty conveyor belts, in different size and construction.

CAST NYLON PRODUCTS



We make Sheets, Rods, Slipper pads, Wheels, Tubes, Pulleys, Rings, Bushes, Plates & other engineering components in Cast Nylon/MOS2 filled Cast Nylon & Oil Grade Cast Nylon to given drawing or samples as per customer requirements.

OUR OTHER PRODUCT OFFERINGS

- **SMS Demag Gaskets** – We have developed SMS Demag Gaskets SN 922 from sizes 15 NB to 1600 NB (PN 6 to PN 40).
- **Seals for Butterfly Valves** – We have developed seals for AUDCO Butterfly Valves upto 750 NB in Silicone, EPDM & Neoprene rubber. We can also make any type of seal for Butterfly Valve of any make.
- **Haul Off Belt** – We manufacture Haul Off Belt for Cooling Tower industry in various sizes or we can also provide them as per customer's requirements. These are high in quality yet competitive in price.
- **Piston & Guide Rings for Compressors and Expansion Engines** – made of Carbon Filled and Glass Filled PTFE.
- **Spare Parts for CNC Machines** – We have developed various seals, rubber parts, quad rings etc. in Viton, NBR, PTFE, Bronze Filled PTFE for various CNC Machines of HMT, Praga, Kirloskar and others. We can also manufacture parts as per customer needs.
- **Hatch Cover Rubber Packing** – used in Shipping industry. Conforming to Mac Gregor or TTS standard. In Three sizes. In Three skins.
- **Rubber Bladders for Gas sampling** – We make these bladders of both Latex & Rubber Sheets. Standard sizes are 4,5,6 & 7. We can make in any other size also as per customer requirements.
- **Latex Hand Gloves** – We are a regular supplier of various types of Hand Gloves(Acid/Alkali/Oil Resistant Hand gloves, Post Mortem Hand Gloves, special hand Gloves as per customer requirements)
- **O Ring Kits** – We stock a variety of O Ring Kits in NBR & Viton
- **Rubber Vulcanizing Solution** – for Conveyor Belt joint, Pulley Lagging, Repairing and Tank Lining at Room Temperature. We also make Hear Resistant (HR) grade vulcanizing solution.
- **FBD Inflatable Gaskets** – We are a leading manufacturer of FBD Inflatable Gaskets For Fluid Bed Dryer Processors, Medical Sterilisers, Autoclaves etc
- **Inflatable Door Gaskets** – We make wide range of Silicone Extruded Door Gaskets in more than 1000 different shapes and designs. (In round and square types). We specialize in hard to seal applications by utilizing rubber inflatable seals to pressurize the sealing space.
- **PVC/PU coated Fabrics**
- **UHMWPE Sheets, Liners & Rods**
- **SS 304 shims for Power Plants**
- **SS Pipes, Fittings & Fasteners** for Pharmaceutical industry, Power & other industries as per customer requirements

PRODUCTS FOR CONSTRUCTION/INFRASTRUCTURE/ POWER SECTOR:

WATER STOPPER



We make Water Stoppers in PVC & Rubber of shapes: a> With center bulb (with /without end grips) b> Dumb Bell shape with/without centre bulb c> 'V' shape with end bulbs. d) Kicker Type Or As per customer's specific requirements conforming to IS:12200 and IS:15058-2002 in various widths & thicknesses. We have made upto 500 mm width Water Stopper

ELASTOMERIC BEARING PAD



Neoprene/Bridge Bearing Pads which are used extensively in bridge structures and prestressed and precast concrete buildings. Also used in industrial machinery and heavy equipment applications. Elastomeric Bridge Bearings are designed and manufactured as per IRC:83 (Part II) – 1987 with the latest amendments, to meet the requirements of MoRT&H specifications for Road & Bridge Works to Section No. 2000 to clause number 2005 (Elastomeric Bearings) and to International Union of Railways Code UIC 772 R (Use of Rubber Bearings for Railway Bridges), AASHTO & BS standards.

GATE SEALS FOR HYDRO POWER PLANTS



Gate Seals for Hydro power plants & dams with/without

- Brass/Teflon/S.S. cladding
- Asbestos/Canvas reinforcement with solid /hollow bulb at the centre or at edges
- Corner Seals

Seals are made as per IS 11855-1986 or as per customer requirements.

We regularly supply to leading Indian companies viz. NHPC, NEEPCO, APGENCO, OHPC, Texmaco & export to USA, South America, Europe

EXPANSION JOINT FILLER BOARD



We are a leading supplier of Expansion Joint Filler Board in Bitumen (Shalitex board or Mastic pads) & XLPE/Cross Linked Polymer (HD100 boards) in standard sizes & thicknesses. These Filler Boards are made as per specific standards and are supplied to all the major construction companies in India

- **POT Bearings** – We manufacture POT BEARINGS- including fixed pot bearings, sliding guided pot bearings and free sliding pot bearings. Pot Bearing design is based on calculation of IRC: 83 (Part III)-2002.
- **PVC Hand Rail** - PVC Handrail are extensively used to cover the staircase railings of commercial buildings, hospitals, housing societies to cover the trolleys at airports etc. they are made out of high quality PVC compound and are resistant to abrasion and pressure.
- **EPDM Water Proofing Membrane** - EPDM Water Proofing membrane produced in accordance to ASTM D4637 and ASTM 6134. The sheet conforms to all requirements for non-reinforced black EPDM Rubber sheet for use in waterproofing applications.
- **Seal kits for Heavy Earthmoving , Mining and Construction Equipments of all makes and models** – viz. BEML, CATERPILLAR, DAEMO, DAEWOO, DEMAG, ESCORTS, HITACHI, HM, HYUNDAI, JCB, KOMATSU, L&T, L&T-CASE, L&T-KOMATSU, TATA-HITACHI & others
- **Polystyrene Foam Board** – We supply Polystyrene Foam Boards used as Thermal Insulation Rigid Panels to conserve energy and increase building life. in different thicknesses

ELASTOMER PROPERTIES CHART

Physical Properties	Natural Rubber NR	Styrene Butadiene SBR	Neoprene CR	Ethylene Propylene RPDM	Nitrile Butadiene NBR	Urethane	Fluro Carbons	Silicone	Butyl
Polymer Spec. Gravity	0.93	0.93	1.23	0.88	1	1.05	1.4-1.9	.95	0.9
Durometer Range	30-100	30-100	15-95	30-90	30-100	20-100	65-90	15-80	30-100
Tensile Strength, PSI	4000+	3000	3000	2500	3000	To 8000	2000+	1400+	2000+
Elongation, %	To 700	500	To 800	To 500	To 700	To 650	To 300	To 700	600
Tear Resistance	Excels	Good	Good	Fair	Good	Excels	Fair	Good	Fair
Weather Resistance	Fair	Fair	Excels	Excels	Fair	Excels	Excels	Excels	Excels
Ozone Resistance	Poor	Poor	Excels	Excels	Poor	Excels	Excels	Excels	Excels
Water Resistance	Excels	Excels	Good	Excels	Excels	Fair	Good	Good	Excels
Oil & Gasoline Resistance	Poor	Poor	Good	Poor	Excels	Excels	Excels	Poor	Poor
Solvent Resistance: Aliphatic Hydrocarbons	Poor	Poor	Good	Poor	Excels	Excels	Excels	Poor	Poor
Solvent Resistance: Aromatic Hydrocarbons	Poor	Poor	Poor	Fair	Good	Fair	Excels	Poor	Poor
Brittle Point of F	-80	-80	-50	-80	-65	-60	-60	-180	-80
Compression Set	Good	Good	Fair	Fair	Good	Excels	Good	Excels	Fair
Temperature Resistance									
To 212 °F	Fair	Good	Good	Excels	Good	Good	Excels	Excels	Excels
To 350 °F	Poor	Poor	Poor	Good	Poor	Poor	Excels	Excels	Good
To 450 °F	Poor	Poor	Poor	Poor	Poor	Poor	Excels	Excels	Poor
Abrasion Resistance	Excels	Excels	Good	Good	Good	Excels	Fair	Fair	Excels
Flex Resistance	Excels	Good	Good	Good	Good	Good	Good	Excels	Good

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