



SOFTEX INDUSTRIAL PRODUCTS PVT. LTD.

NSIC REGISTERED ISO 9001:2008 CERTIFIED COMPANY

REGD.OFFICE: 8/1 LAL BAZAR STREET, 1ST FLR, R.NO.9, KOLKATA – 700001

CIN NO.U24139WB2006PTC108995

CORP.OFFICE: 15/1, "Stephen House", 1st Floor, 56 E Hemanta Basu Sarani, Kolkata - 700001,India

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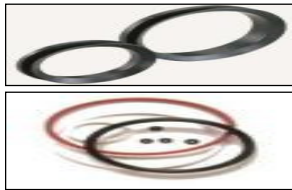
Visit us at www.softexindia.com

Seals for Hydraulic & Pneumatic Cylinders



U Bucket/U Seals & W seals, Piston seals, Rod seals, Chevron Packings, Gland Packings & Lip Packings, Wiper seals, Guide rings, Cup seals, Tudco Seals, 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 ‘V’Rings 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

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.

Expansion Joints & Flexible Bellows (Expansion & Suction)



Expansion Joints

Rubber/Metallic 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



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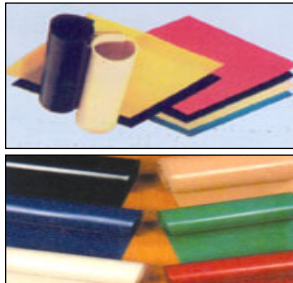
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Silicone Rubber Products



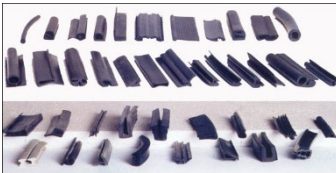
- Transparent Silicone Rubber Tubings of Food & Pharma grade of various sizes
- Silicon Rubber Sleeves from 0.5mm ID to 25mm ID for insulation purposes
- Profiles of Silicone Rubber for industrial applications as per requirement
- Sponge Silicone Rubber Cords
- Corona Treater Sleeve upto 8"ID

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 as per relevant standards
- Latex Sheets for Leather/Fashion/Medical industries

Extruded Rubber Profiles



Colored Rubber Tubings, Square/Rectangular section Cords, Strips, Channels, 'O' Ring Cord, Strips, Sponge Strips, Sponge Rubber Profiles, Closed Cell Strips and other profiles as per customer requirements to given sample or drawing made of Viton, Silicone, Neoprene, Nitrile, EPDM, & Natural Rubber.

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.

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.



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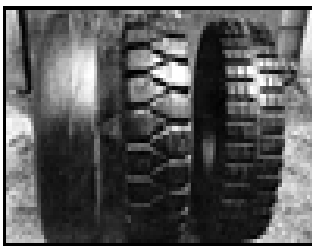
Inflatable Seals & Insert Seals



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

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.

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..

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.



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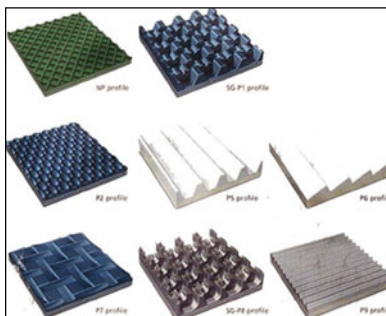
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Hoses & Hose Assembly/Fittings



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:

- PVC / Polyurethane Conveyor Belts
- Nylon Sandwitched Power Transmission Belts
- Teflon Coated High Temperature Belts
- Timing Belts
- 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.

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.
- **Bladders for Gas sampling** - We make these bladders of both Latex & Rubber. Standard sizes are 4,5, & 6. We can make in any other size also 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. (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 & machined components**
- **Bio Gas Balloons(made of both Plastic coated & Rubber coated fabrics)**
- **Helium Gas Bags for cryogenics**
- **Inflatables made of both Rubberized & Plastic coated fabrics**
- **Various Metal to Rubber bonded products viz. Anti Vibration Pads, Buffers etc.**



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Elastomer Properties Chart

Physical Properties	Natural Rubber NR	Styrene Butadiene SBR	Neoprene CR	Ethylene Propylene RPDM	Nitrile Butadiene NBR	Urethane	Fluro Carbons	Silicone	Butyl	Epichio-Rohydrin Eco
Polymer Spec. Gravity	0.93	0.93	1.23	0.88	1	1.05	1.4-1.9	,95	0.9	1.27-1.36
Durometer Range	30-100	30-100	15-95	30-90	30-100	20-100	65-90	15-80	30-100	35-90
Tensile Strength, PSI	4000+	3000	3000	2500	3000	To 8000	2000+	1400+	2000+	500-3000
Elongation, %	To 700	500	To 800	To 500	To 700	To 650	To 300	To 700	600	To 800
Tear Resistance	Excels	Good	Good	Fair	Good	Excels	Fair	Good	Fair	Good
Weather Resistance	Fair	Fair	Excels	Excels	Fair	Excels	Excels	Excels	Excels	Excels
Ozone Resistance	Poor	Poor	Excels	Excels	Poor	Excels	Excels	Excels	Excels	Excels
Water Resistance	Excels	Excels	Good	Excels	Excels	Fair	Good	Good	Excels	Excels
Oil & Gasoline Resistance	Poor	Poor	Good	Poor	Excels	Excels	Excels	Poor	Poor	Excels
Solvent Resistance: Aliphatic Hydrocarbons	Poor	Poor	Good	Poor	Excels	Excels	Excels	Poor	Poor	Excels
Solvent Resistance: Aromatic Hydrocarbons	Poor	Poor	Poor	Fair	Good	Fair	Excels	Poor	Poor	Good
Brittle Point °F	-80	-80	-50	-80	-65	-60	-60	-180	-80	-62
Stiffening Point °F (avg)	-40	-35	-10	-35	-10	-20	-15	-150	-25	-40
Compression Set	Good	Good	Fair	Fair	Good	Excels	Good	Excels	Fair	Excels
Temperature Resistance										
To 350 oF	Poor	Poor	Poor	Good	Poor	Poor	Excels	Excels	Good	Fair
To 450 oF	Poor	Poor	Poor	Poor	Poor	Poor	Excels	Excels	Poor	Poor
Gas Impermeability	Good	Fair	Good	Good	Good	Good	Excels	Fair	Excels	Excels
Abrasion Resistance	Excels	Excels	Good	Good	Good	Excels	Fair	Fair	Excels	Excels
Flex Resistance	Excels	Good	Good	Good	Good	Good	Good	Excels	Good	Excels