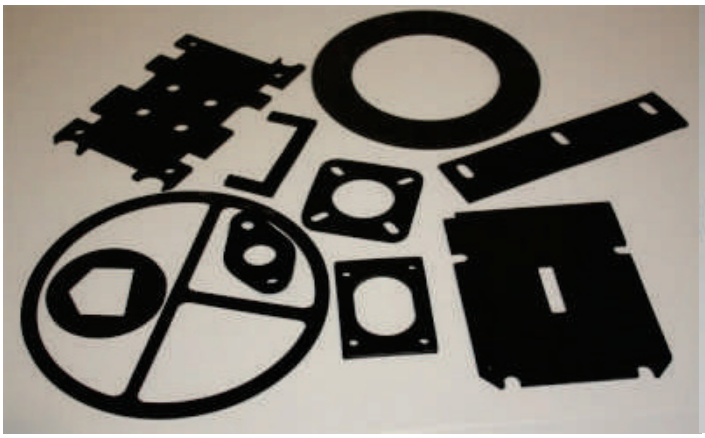
Gestion Industrielle JPV Inc.

Jean-Paul Vigneault Agent manufacturier

www.gestion-v.com jpv@gestion-v.com

Gaskets – Materials and Types Available



Black rubber, Neoprene, Nitrile, EPDM, Butyl, Hypalon, SBR

Red Rubber, White Buna (FDA), White EPDM(FDA), White Viton(FDA)

Viton, Silicone

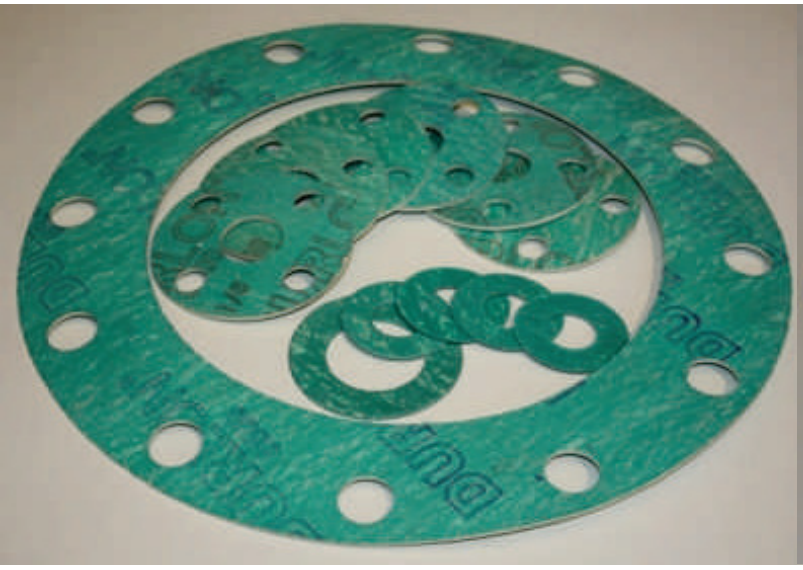
C.I. Rubber, Ribbed matting

Cork rubber

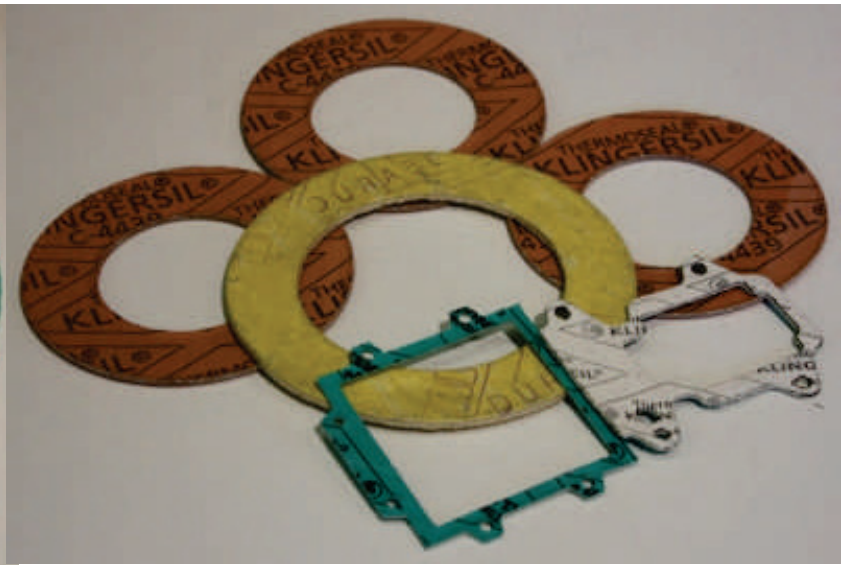
Garlock

20 Julien, N.D.P. , Québec, Canada J6E 8P6

Phone: 450-867-6601



Durlon



Klinger

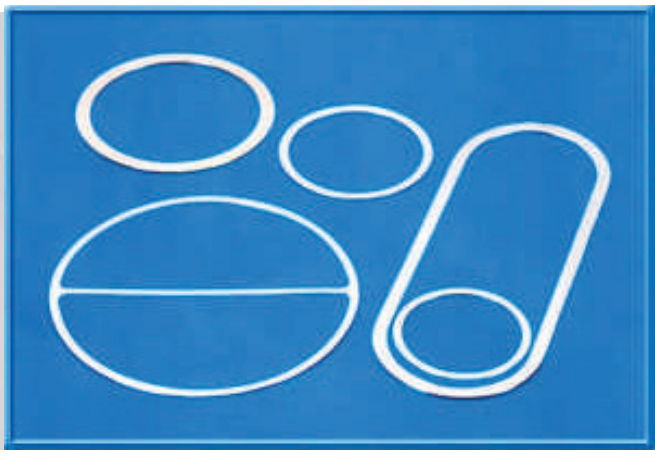
Teadit

Frenzelit

Spiral Wound Style, CG, CGI, R

SHIM (Aluminum steel, brass), SHIM (Plastic)

Camprofile, Graphonic

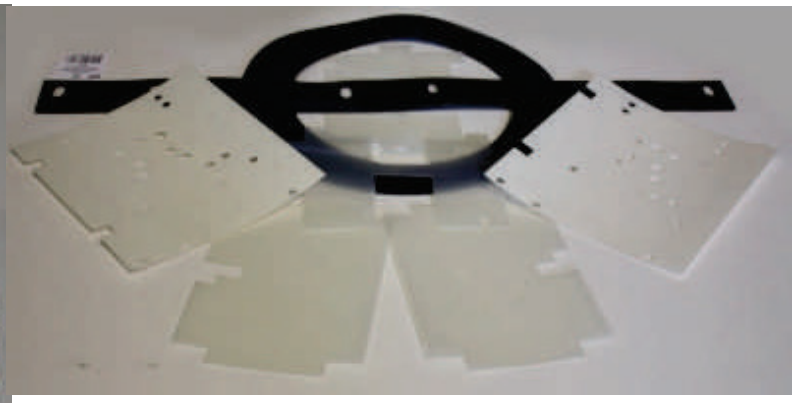


Double jacket

Ring type joints (RTJ), oval or octagonal

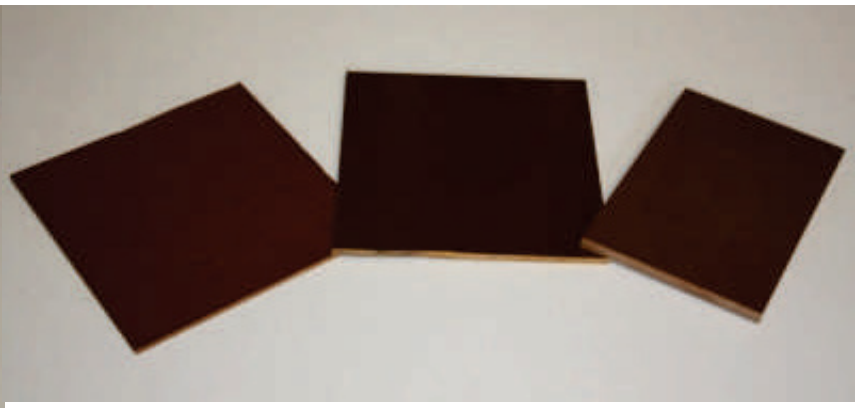
Teflon sheet, Tubing rod machined parts

Teflon envelopes, C/W Filler, Expanded teflon tape, Teadit 24B



Mylar, PP340/CV 6800 Santoprene, Panacea

Gylon, Tealon, Quimflex

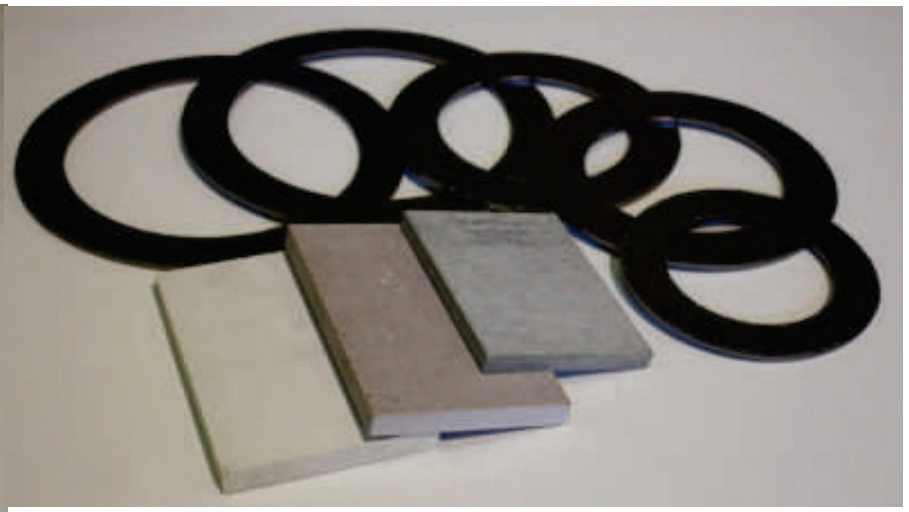


Phenolic

Ceramic paper, Blanket, Ceramic blanket

Ropes, Tapes, Tadpole fibreglass ceramic

Tempmat, Millboard



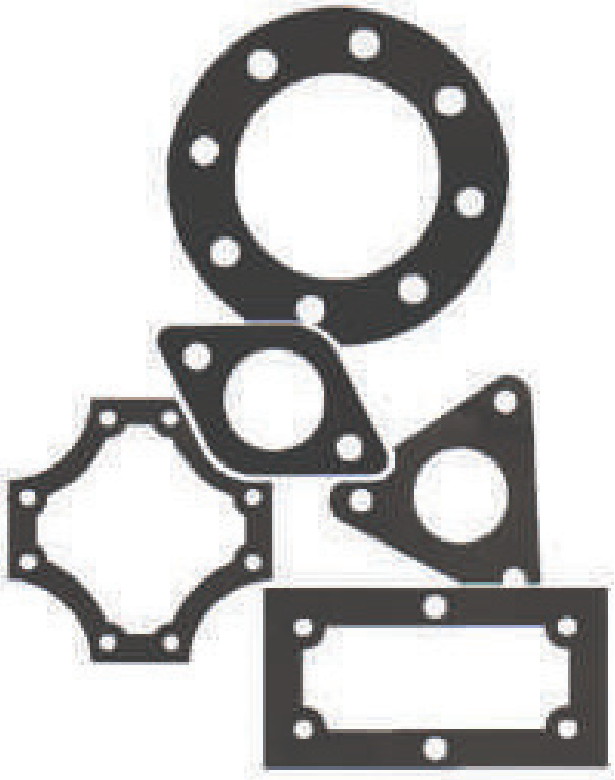
Graphite, Transite, Marinite

Gasket Materials

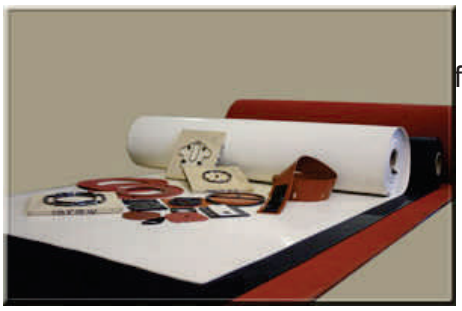
·Asbestos-Free Sheet
·Ceramic Papers Millboard
·Cork; Cork-Rubber
·Felt - Vulcanized Fibre
·Viton ®
·Hypalon
·EPDM (Peroxide-cured)
·Silicone
·Buna-N (Nitrile)
·Neoprene
·Aflas®
·Sponge
·Red Rubber
·C.I. Rubber
·Teflon
·Gylon ®
·Flexible Graphite
·Urethane
·Fiberglass
·Panacea / Tygon ®
·Flexible PVC
·Durlon ®

Services

·Die Cutting one to one million parts
·Custom Fabrication
·Spliced & Vulcanized Sleeves / Joints
·Custom Assembly and Component Assembly
·Material Preparation: Sheeting, Slitting & Shearing
·Water Jet Cutting , Laser Jet Cutting & Flash Cutting
·Moldings & Extrusions
·Custom Sewing: Bellows & Boots, Tadpole Tapes
·Lathe – Cut Washers
·Custom Gaskets & Seals
·Selection and Application of PSA (Pressure Sensitive Adhesive)
·Metallic and Spiral Wound Gaskets
·Expansion Joints



Rubber Types



fers excellent

Neoprene (Chloroprene) (CR):
resistance to Weather, Ozone, Sunlight, Natural aging and Acids.
(Temp. ranges: -60F to +250F)

Nitrile-Buna-N (NBR): is an elastomer that has superior resistance to petroleum based hydraulic fluids,alkalis, acids, aliphatic and aromatic hydrocarbonates, animal and vegetal oils.
(Temp. ranges: -60F to +250F)

Styrene Butadiene (SBR): is a synthetic rubber witch has good abrasion resistance. It is available in black or red (fabric or smooth finish).
(Temp. ranges: -40F to +180F)

Natural Rubber (NR) (Pure Gum Amber) it is a natural product extracted from tropical plants It has excellent flexibility, tensile elongation & abrasion resistant. It is durometer 40.
(Temp. ranges: 70F to +200F)

EPDM (Ethylene Propylene-Diene Monomer): this polymer has superior resistance to ozone, heat and sunlight applications. It has good resistance to water and steam.
EPDM is available in black, white (FDA) and purple. It is sulphur and peroxide curable.
(Temp. ranges: -70F to +350F)

Hypalon: has excellent resistance to chamical, acids and alkalis.
(Temp. ranges: -70F to +275F)

Silicone Rubber (SI): has high temperature properties as well as excellent tensile strength, compression set and it is a fungus resistance material. It has good resistance against many chemicals, including acids, oxidizing chemicals & amonia.
Available in red, grey, white (FDA) or black.
(Temp. ranges: -65F to +450F)

Viton (FPM): has a powerful resistance to aggressive fuels, oils, chemicals & lubricants. It has outstanding performance in very hot and extreme corrosive environments.
(Temp. ranges: -20F to +500F)

Butyl (Isoprene):has outstanding resistance to gases, vapors, oxygen, sunlight, ozone, & heat aging and tearing. It is great for electrical insulation.
(Temp. ranges: -40F to +250F)

Aflas: is a 75 durometer high temperature resistant co-polymer of tetrafluoroethylene and propylene. It is particulary suitable for the harsh environments encountered in the petroleum, sour gas (H2S), oil and gas industry. It is used in the transportation, pulp and paper, chemical and aerospace industry.
(Temp. ranges: -10F to +675F)

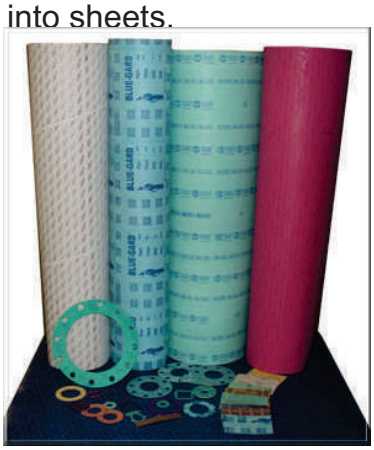
Urethane sheet: is considered a durable material able to resist extreme environments and abrasion. It has several advantages over conventional plastics and elastomers, increased strength, toughness & versatility. Standard thickness range from 0.031" to 1". Larger thickness can be custom made. Colours available: tan, black, red, yellow, blue, white & natural and durometer hardness from 20 to 90.
(Temp. ranges: -10F to +675F)

C.I. Rubber : is a polyester reinforced SBR sheet. It is also available in a neoprene-nylon diaphragm sheet.

Ribbed Rubber Matting : is used as Rubber mats. Anti-fatigue mats, switch board matting and link mats. Available in wide, narrow and fine ribs.

NON-ASBESTOS SHEET

Compressed Non-Asbestos Sheets are made from synthetic fiber, natural rubber, filler material and dye. They are compressed and calendered under high temperature and pressure into sheets.



GARLOCK SERIES®

Bluegard 3000 (blue) : A unique blend of Aramid fibres with a nitrile binder. Has excellent sealability.

Bluegard 3200/3400 (off white/black) : with an SBR binder is good for water, saturated steam, mild acids and alkalies.

Bluegard 3300 (black) : a blend with Neoprene and is good against oils, fuels and refrigerants.

Bluegard 3700 (light grey) : bonded with EPDM and is used for acids and caustics of moderate concentrations. it adds exceptional resistance to both weather aging and ozone.

Temperature for the above range from -40F to 700F intermittent. Thickness 1/64"th to 1/4"th.

TEADIT SERIES®

NA 1001 (green) : bonded with a Nitrile binder, General service material used in the water & waste-water industry. Also used in valves and pumps.

NA 1076 (black) : bonded with Neoprene (CR) suitable to handle a broad range of refrigerants, saturated steam oils, fluids, mid acids and alkalis.

NA 1080 (off-white) : produced with styrene butadiene Rubber (SBR) is excellent for mild acids, alkalis, brine air, industrial gases and general chemicals.

Temperature : 100F to 700F intermittent. Thickness 1/64"th to 1/4"th.

KLINGERITE SERIES®

C4401 (green) : High quality non asbestos fibre, bonded to nitrile rubber. Has high torque retention, and anti-stick properties.

C4430 (white/green) : Non asbestos material composed of fiberglass, aramid, and inorganic fibers bonded with nitrile rubber . A general purpose sheet with excellent chemical resistance and steam applications.

C4439 (red) : Expanded metal re-inforced non asbestos material with a nitrile binder and galvanized low carbon steel inserts. Has high temperature capabilities, up to 900F

Temperature : 100F to 700F intermittent. Thickness 1/64"th to 1/4"th.

DURLON SERIES®

8400 (gold) : a phenolic/NBR sheeting exhibits high-temperature. Used in chemical applications and pulp & paper industries.

8500 (green) : bonded with nitrile is excellent for steam and natural gas. Used in the general industry including chemical, refinery, pharma, food and Beverage industries. Up to 800F

8600 (white) : bonded with SBR rubber and is highly used in power, petro-chemical as well as the good and Beverage industries. It has good compressibility, recovery, sealability and flexibility.

8700 (blue) has a neoprene blend and has excellent resistance to ozone, many refrigerants & oils. It is great for refrigeration services.

HIGH-TEMPERATURE

Ceramic papers are generally used to solve all types of heat related problems. It exhibits excellent chemical stability & resisting attack from most corrosive agents. Temperature up to 2300F 1260C.

Ceramic blankets consist of lightweight , thermally efficient ceramic fiber insulating materials. it has excellent chemical stability. Low thermal conductivity good sound absorption with high resilience. Temp. 3000F or 1650C. Available in various density thickness and widths.

Ceramic Millboards are rigid high temperature ceramic fiber boards, offering low thermal conductivity, high temperature stability , uniform density and excellent resistance to thermal shock and chemical attack. Available in thicknesses 1/8" to 2" and has temperature ranging up to 3000F or + 1650C.

MICA is a mineral offering temperatures up to 1850F (1000C), resisting fire without burning, has low conductivity, good compression resistance, good tensile and bending strength. Available in sheets, tubes, washers and machinated parts.

Silica fabric is composed of texturized yarn, having good insulating properties. Has temperature up to 1800F (980C) Available in cloth, tapes, ropes, and sleeving.

Fiberglass tape is lightly woven tape manufacturer from texturized fiberglass yarn. The salvaged edge will not fray or unravel. Available in plain, bolt hole (drop-warp)/ladder) and adhesive backed. Used to make tadpole tapes. Also available with vermiculite coating, wire-reinforced and tacky fiberglass cloth.

Fiberglass rope is made of contiuous filament texturized yarn , woven into rope. Fiberglass ropes are asbestos free and widely used in industrial ovens, furnaces, boilers and wood burning stoves. Available in knitted, braided, twisted , square & round profiles. It can be reinforced by steel wires and coated with graphite or vermiculite to increase thermal insulation and abrasive resistance.

Tadpole Tapes are resilient, non absorbent gasketing tapes formed by wrapping heat resistant cores with specially treated cover materials. Edges are either stitched or glued forming the tail structure. Available with core materials of inconel or stainless steel mesh,and single, double or custom tail.

Ceramic tapes are a superior insulating tape capable of withstanding temperatures to 3000ºF and are made from alumina oxide based , high purity refractory fibers. It is resistant to molten metal sparks & splashes, most chemicals & solvents, resistant to thermal shock and has good dielectric strength. It is available in insert materials of glass (1250ºF) or inconel wire (2000ºF). Available in 1”, 2” & 3” wide roll form.

Flexible graphite is manufactured from mineral graphite. It is also called Graphoil® . Sheets can be laminated with 316 stainless steel foil, tang inserts, wire inserts for various applications. Ideal for high temperature uses. Recommended in refineries, chemical & petrochemical plants, paper mills and other industrial fields. Also available as Die Formed Rings and flexible tape. Temperature up to 3000ºF.

Marinite A is a non-asbestos strong inorganic board for conveying and handling molten aluminum and other non-ferrous metals up to 1500ºF

Marinite I is a non-asbestos incombustible calcium silicate fiber reinforced sheet that has a combined structural strength with high thermal insulating values for application up to 1200ºF

Marinite P has much higher compressive strength than Marinite I. It is more dense and has a higher temperature service up to 1700ºF

Transite H T is an asbestos-free high temperature, high density fiber, reinforced cement sheet. It has a combination of high strength, thermal stability and electric insulation. Can withstand operating temperatures from 450ºF to 600ºF.

Glasstherm is a thermal insulation sheet with superior strength and heat resistance for applications with continuous temperatures from 425ºF to 550ºF

METALLIC GASKETS

Stainless steel gaskets are common in many plants for chemical and petrochemical service. The results of pressure and temperature fluctuations together with bolt stress, relaxation and creep demand a gasket with adequate flexibility and recovery to maintain a seal under varying conditions.

Spiral Wound –Are specially designed in various metals and selections. It has a metal winding, a filler material and a guiding ring. It accommodates class 150 and 300 to 2,500 PSI.

Filler material
Mica Graphite 350°F
Graphite 99.8% Purity 2200°F
Non-Asbestos 1000°F
PTFE (Teflon) 500°F
Ceramic 1800F

Inner / Outer Ring
Carbon Steel
Stainless Steel 304/304L/316/316L/321/347
Monel 400
Inconel 600/625/800
Nickel 200
Titanium
Hastelloy
Copper

There are many styles of Spiral Wound:
Style WR–Guiding Ring with windings
Style WR1–Guiding Ring with winding and inner ring
Style W1–Winding with inner ring only
Style W–Winding only

Ring Type Joint RTJ (Solid Steel)–A solid metal oval/octagonal shaped gasket, generally installed in various machined grooves. It is ideal for low pressure and low bolt loads.

Single/Double Jacket–Has greater compressibility and resilience than solid metal gaskets. It protects the edges and fillers.

Corrugated (Serrated Gasket)–Is made of machined flat, metallic plate with waved or corrugated surface in 90º angles. Has strong corrosive resistance, applicable to high pressure and temperature; is stable and has reliable sealing function.

Kamprofile –Consists of a metal core with concentric grooves on either side with sealing materials. Offers excellent flexibility and has a very wide sealing stress range. High suitability for varying temperatures and pressures.

Exchanger gaskets (metal jacketed) –comes in different profiles and ribs. It is specially designed and widely used on smooth flange applications. Ideal for heat exchangers, flue stacks, boilers, gas-mains, valve bonnets, pumps, etc.

Metal Shim Stock –A wide variety of custom, aluminum, stainless steel shims and shim kits (with/without slots). Stainless steel shims provide years of alignment protection in highly corrosive atmospheres and environments.

PLASTICS

Teflon (PTFE)–Polytetraflouroethylene is a high molecular polymer, one of the most versatile plastics known and useful for a large range of applications.

Temperature : -100ºF to +500ºF

Grades–Mechanical / Virgin

Product Description:

·Available in sheets, skived tape, rolls, rods, molded and machined
·V Rings (molded / machined)
·Valve packing Envelopes slit / machined / formed with different fillers
·Die cut
·Ring / Full face
·Bellows,O'Rings, Lantern Rings, Kalrez O'Rings
·Stress Saver® molded
·Task line® - molded Teflon gaskets with steel inserts

Joint Sealant –Expanded PTFE joint sealant flexible tape. This tape is continuous with self adhesive backing to facilitate easy installation.

Mylar –is a polyester film or plastic sheet used in industrial applications and mechanical industries.

HDPE –High Density Polyethylene Plastic sheet. HDPE has little branching, giving it stronger intermolecular forces and tensile strength than lower-density polyethylene. It is also harder and more opaque and can withstand somewhat higher temperatures (120 °C/ 248 °F for short periods, 110 °C /230 °F continuously).

Plastic Shim –color coded plastic shim stock with thickness ranging from .0005"to .060". Plastic shim are color coded to provide users with an accurate, reliable recognition of thickness for reliable use.

Phenolic - a hard, dense material made by applying heat and pressure to layers of paper or glass cloth impregnated with synthetic resin. These layers of laminations are usually of cellulose paper, cotton fabrics, synthetic yarn fabrics, glass fabrics or unwoven fabrics. When heat and pressure are applied to the layers, a chemical reaction transforms the layers into a high-pressure thermosetting industrial laminated plastic; also known as polymerization.

Glass Laminates - Glass laminates, fabricated to contain periodic thin layers containing biaxial compressive stresses, exhibit a threshold strength, i.e., a stress below which failure will not occur.
Grades: G-7, G-10, G-11.

PAPERS,CORK, FELT

Vegetable Fibre: is a treated cellulose fiber material impregnated with a protein glue and glycerine binder. It is recommended for all oil, grease, water and gasoline flange connections on automobiles, industrial motors, trucks and tractors. Available in a variety of thicknesses ranging from 0.006”th to 0.187”th . Color: Tan

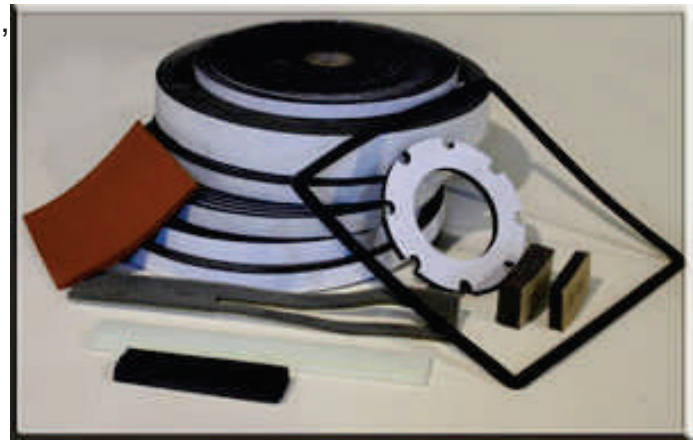
Fish paper: is a vulcanized fibre sheet used for its excellent electrical insulating properties. It is flexible, extremely durable and is available in sheet stock and custom parts. Standard color : Grey

Cork-Rubber: is a compound of cork and rubber made by using first grade granulated cork and synthetic rubber polymer.

This product has the high resilience of rubber and the compressibility of cork.It is generally used in the automotive, tractor, ship, transformer, petroleum and electrical equipment industries.

Felt: Felt is matted wool subjected to moisture, heat and pressure.Wool is one of the most versatile fibres. Typical applications are gaskets, dust shields, oil and grease retention wipers, bearing seals, and bumpers. Also available in mildew resistant felt.

SPONGE



Sponge: There are a variety of foams available in sheets, rolls, stripping and gaskets with or without adhesive back.

Closed cell sponge: does not absorb fluids or moisture which makes this sponge ideal for sealing, insulation and gasketing. Used in the HVAC industries, construction, automotive, appliance and industrial markets. Thickness vary from 1/16”th to 4”th and can come with or without adhesive backing.

Ethafoam: is a tough closed cell material which is energy absorbent, resilient, light weight moisture and chemical resistant material and offers excellent strength, resistance to creep under load, vibration, water resistant and has shock absorbency. Available in various densities, sheets and rods

Cross link polyethylene: is a very fine celled smooth skinned foam with closed cells. Available in many densities, thicknesses and sheets

Poron: is a high density, flexible microcellular Urethane Foam That has excellent low compression set properties which enables durable, long term erformance for gasketing, sealing and cushioning. Available in sheets, rolls, stripping, gaskets and adhesive backed.

Urethane foam: is a low density foam widely used in high reliency flexible foam seating, insulation panels, gasketing and other industries. Available in sheets, rolls, stripping gaskets and convoluted foam sets.

Open cell sponge: is formulated to feel very soft and pliable. Available in soft, medium and firm densities. Used in automotive, appliance, furniture, packaging, sporting goods and electronic industries. Available in many thicknesses .

EXTRUSIONS/MOLDINGS

Extrusions

Extrusions are extruded rubber products made to different Specifications and styles.

Rubber extrusions are available in:
Viton, Silicone, Neoprene, Nitrile, EPDM, Hypalon, Polyurethane, natural rubber and sponge.

Moldings

All Custom Gasket specializes in manufacturing molded rubber products according to Customer's specifications. We offer compounds including Neoprene, Nitrile, Silicone, Viton, and natural Rubber.

COMPRESSION PACKINGS

High quality mechanical packing's serve the following markets:

Pulp & Paper Petro chemical
Military & marine Power generation
Chemical processing Mining
Food processing Pharmaceuticals
Water treatment Industrial
Compression packings are manufactured from wide range of materials & construction.
Braided packings are made from the following materials:
Aramid Fiber Aluminum & Copper
Acrylic PTFE (Teflon)
Carbon/Graphite Teflon /graphite filament
Flexible Graphite Flax
Fiberglass Kevlar®

Construction: Twisted
Lattice Braid
Round Braid
Square Braid

Temperatures: from 300° F to 5000° F
Pressure Rating: 150 psi to 4500 psi
Shaft Speeds: 1000 to 4000 fpm
pH Range: 0 to 14
Sizes: 1/8"th to 1"
1 lb, 2 lb, 5 lb, 10 lb and up

SPECIALTIES

TOPOG-E / Dunlop molded gaskets.
These gaskets are made to fit steam boilers for handhole and manhole applications.
They are renowned for their high quality , exceptional performance and ease of application.
Available in Ellipitical, Oblong, Round and Oval.

Protective Bellows are sealed against air, dust and light.
Available in a variety of shapes and sizes.
Made from Neo-nylon, urethane or PVC materials.
Bellows include expansion joints, way covers, dust seals, protective seals and fabric bellows.

Full face flange protector covers are used to protect flange faces from damage during shipping and handling.
Available in masonite, press-board, corroplast and high density polyethylene.

Flange isolation gasket kits are designed to maintain reliability of the pipeline and piping system through safety and corrosive protection.
They provide an effective seal & reliable electrical isolation of flanges.
Available in all sizes from ½”to 144”in all ANSI and API standards.

Stand - off insulators are molded from glass reinforced fire-retardant thermoset polyester molding compound. Molding compounds are manufactured with excellent self-extinguishing, arc quenching, non-tracking capabilities, with high strength and excellent dielectric properties.

Expansion joints. Non-metallic molded expansion joints are engineered for tough demanding industrial and commercial applications.
They are available in round or rectangular sizes with flanges.
Expansion Joints are also made of rubber with single or double arches, PTFE & FEP lined rubber designed for tough demanding corrosive chemical application and convoluted heavy duty molded PTFE bellows. Used in systems operating below 400F and are manufactured of Viton, Butyl, EPDM and other elastomers.