

**: SHREE MAHAVIRAY NAMAH :**

# **K.K.PACKING**

**ISO 9001-2008 CERTIFIED COMPANY – NIMBUS UK**

We are Manufacturers of '**TIGER**'®, '**SHAKTIMAN**'® & '**KKK**' Brand all types of **NON ASBESTOS** Heat Insulated Ropes, Tapes, Clothes, Sleeves, Stuffing Box & Mechanical Gland Packing, Gaskets & Fluid Sealants, Die Molded & Braided Cut Rings, BA Break Linings & Belts.

**Products Like PTFE, EXPANDED PTFE, GRAPHITE PTFE, CARBON, KEVLAR/ARAMIDE, FLEXIBLE EXPANDED GRAPHITE, PURE GRAPHITE, ACRYLIC, RAMIE, COTTON, CERAMICS FIBER, GLASS FIBER, MICA FIBER Friction Products & Fire Proof Textiles. Some of our Products are as follows.**



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## [1] K/003 PTFE GLAND PACKING - DRY

It is a Braided Packing made of PURE P.T.F.E. DRY YARN FIBER. It is flexible, low coefficient to friction & excellent resistance to compression. It is suitable for all chemical compound, alternative and rotary motions shafts, rods, piston valve steams & expansion joints.

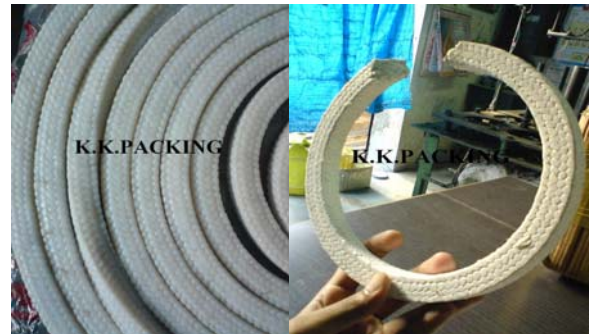
PRESSURE: - 2-20MPa, TEMPRETURE: - -200 C. to 275 C., PH-0-14. Cut Rings are also available. Size - 3 MM & UP.



## [2] K/003 PTFE GLAND PACKING – LUBRICATED

It is a Braided Packing made of pure P.T.F.E. yarns fiber with a Special inert Lubricant. It is a very plastic packing. It is a low coefficient to friction therefore prevents the shaft Surface from forming heat even in high peripheral speeds. It is used in stuffing box and in high concentrated chemical Products which are strongly aggressive and oxidative.

PRESSURE: - 2-25MPa, TEMPRETURE: - -240 C. to 280 C., PH-0-14. Cut Rings are also available. Size - 3 MM & UP.



## [3] K/036 GRAPHITE PTFE GLAND PACKING

It is a Braided Packing made of PTFE yarns with Graphite. It is a lowest coefficient to friction. It has great tear strength and high thermal conductivity. This self lubricated packing doesn't score the shaft and minimizes the sleeve replacement cost. It is recommended for shaft for almost all chemicals. It is used to seal alkalis, solvents, water, steam, acids [Except strong oxidizing acids] for centrifugal pumps, autoclaves, agitators, mixers, etc. It has long and stable service life because of its very low coefficient to friction qualities.

PRESSURE:-2-25MPa, TEMPRETURE: - -240 C. TO 280 C., PH:-0-14. Cut Rings are also available. Size- 3 MM & UP.



## [4] K/1740 KEVLAR/ARAMIDE GLAND PACKING

It is a Braided Packing made of Kevlar/Aramid Yarns. It can bare higher pressure application than other type of braided packing because of its STEEL like strength. It has been developed to replace Asbestos packing for pump system. It covers all the service areas in which asbestos packing are used and even much better. It has longer service life under severe condition in which asbestos packing can not provide satisfaction such as sand slurry, tin mining, and paper slurry, feed water pump of power station, etc.

PRESSURE:-2-20 MPa, Cut Rings are also available.

TEMPRETURE: - 275 C., PH-0-14. Size- 3 MM & UP.

KEVLAR/ARAMIDE FIBER BASED GASKETS, CLOTH & HAND GLOVES IS ALSO AVAILABLE.



Above all technical details are based on our experience however we do not undertake any liability whatsoever. Effectiveness of packing can only be judge correctly by installing directly on site only.

## [5] K/78000 FLEXIBLE EXPANDED GRAPHITE PACKING.

It is a flexible braided packing which is made of an innovative **FLEXIBLE EXPANDED GRAPHITE YARN**. This packing is completely ignition loss free. It can be reinforced with quality high modulus carbon fiber, glass fiber, cotton fiber, inconel wire & s.s. wire. This packing has excellent sealing capabilities. It eliminates leakage & minimizes maintenance volume after just one pre tightening at operation. It can be used to seal hot water, high temperature & pressure steam, heat transfer fluid, hydrogen gas, ammonia, organic solvents, hydrocarbons, cryogenic liquids, seal packing of valves, vessels & pumps under high temperature and pressure at low linear speed, etc. It is a unique & universal sealing packing. **PRESSURE:-3-35 Mpa,**

Cut Rings are also available. **TEMPRETURE: - -200 C. To 650 C. PH:-0-14 Size-3 MM & UP. Webbing Tape is also available. Sizes-25 MM X 3 MM to 100 MM X 6 MM**



## [6] K/38000 CARBON FIBER GLAND PACKING

It is a braided packing made of **CARBON FIBER** which is impregnated with P.T.F.E. Dispersion. It is inert to almost all Corrosive chemicals, low coefficient of friction to compression and excellent resistance to compression. It has wear resistant with abrasive media, thermally well balanced structure, volume stable, insignificant shrinkage, excellent heat conductivity and outstanding chemical & physical characteristic. This type of packing can replace PTFE Asbestos packing in a very wide service range and can be used to seal corrosive fluids except stronger oxidizer acids. It is used in boiler feed water pump, centrifugal pumps, blenders, agitators, autoclaves, kneading devices, refiners, fittings, power plants, boiler houses, paper & pulp industries, chemicals, pharmaceuticals, etc.

It is also available with inconel wire & s.s. wire.

Cut rings are also available. **Pressure-2 to 20 Mpa. PH- 0 to 14. Temperature - -250 C. To 800 C. Size-3 MM & Up.**



## [7] K/1720 & K/1760 ARAMID & PTFE COMBINATION GLAND PACKING

It is a braided packing made of PTFE fiber in face & corner yarns of Aramid fibers. It has very good thermal conductivity and sliding velocity. This packing is very stable in shape, wear resistance, heat conductive, high pressure resistance & no gap extraction. It is a universal packing against abrasive media which needs a reinforced packing. This packing can use in high pressure piston pumps up to 1500 bar as die formed rings. It can be use in high pressure piston & metering pump, valves, agitators, blenders, high pressure fittings, chemical, pharmaceuticals, food industries, power station, weak & alkaline solutions, abrasive media, etc. Cut Rings are also available. **PRESSURE-2-25 Mpa, TEMPRETURE- -100 to + 275 C. PH-2-14.**

**Size- 4 MM & UP. Zebra Packing Structure is also available.**



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## [8] PTFE FLEXOSEAL, UNIVERSAL ROPE, RODS, BUSHES & TAPES.

These Products are made from 100 % Pure PTFE Expanded Fibers. These products are very easy to adapt, easy to cut. As long as this are used the equipments will continue their service and keep its best performance. This are suitable for tube & pipe flanges, enameled flanges, vessels, containers, boilers, reactors, valves, pumps, turbines, lids, gauge glasses, agitators, heat exchangers, tension sensitive compounds, chemical, pharmaceutical, food industries, universal maintenance, diverse pipelines, glass, rubber, plastics, non rusting lining towers, etc. These products reduced deformation under pressure, better resilience under varying pressure, reduce thermal expansion coefficient up to approx-50 %, and raised compression strength. It can be filled with filler such as Graphite, Glass fiber, Carbon fiber, Kevlar fiber. **PRESSURE:-Up to 250 Bar, TEMPRETURE: - -240 C. TO 275 C. Size- All Sizes in all products.**



## [9] GRAPHITE MOULDED RINGS, SEALING RINGS & ADHESIVE TAPES

These products are made from high temperature flexible graphite fiber. This products are useful for fittings, gauge glass, vessels, pipes joints, pumps, valves, chemical, pharmaceutical, petrochemical industries, power stations, paper & sugar industries, etc. These products are high pressure resistance, radiation resistance & extreme media resistance. These products are self lubricate maintenance free & elastic. These are perfect replacements of Asbestos Products. Sheets, molded & sealing rings, gaskets are available in all sizes as per customer's specification or drawings. These products are available with or without metal also. **Size - Rings- All Size.**

**Sheet- 0.5 MM & Up Thickness. Width-Up to 1.5 Mtrs. Tapes- 0.5 MM Thick – Up to 4 Inch width with adhesive.**



## [10] HIGH PERMORMANCE CLOTH – KEVLAR & CARBON

Kevlar & Carbon are registered trademark of DuPont. These cloths are made from synthetic fibers known as Kevlar/Aramid & Carbon. This cloth is lightweight, impact resistant, abrasion resistant, heat resistant, and has great strength properties for the most demanding applications like high-speed boats, aircraft fuselage panels, pressure vessels, sporting equipment, wind turbines, ballistics application, construction engineering, automobiles composite, heavy vehicles silencers, speed cars tyre and much more.



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## [11] K/99000 CERAMICS FIBER PRODUCTS

Ceramics fiber products are inorganic heat insulation materials with many characteristics. Such as high temperature stability, low thermal conductivity, low heat storage, light weight, excellent thermal shock, corrosion & oxidation resistance, high elasticity, resistance against acid & chemical stability. These products are widely used in furnace, boiler chimney & vessel doors, fireplaces, tunnel furnaces, ovens, field of petrochemicals, foundry, power plants, electronics, shipbuilding, aerospace automobile, etc. These products are excellent replacement of Asbestos Rope & Gland Packing. These products are also available with S.S. wire reinforcement. In modern industry this are very ideal insulation materials and excellent replacement of Asbestos Cloth & Webbing Tapes.

TEMPRETURE-1100 C. Size-Rope-6 MM & Up. Cloth- 2 MM & Up-Thickness. Width-1000 MM. Tape- 2 MM & Up -Thickness. Width-Upto-100 MM. Sheet-1.5 MM to 6 MM



## [12] K/81000 GLASS FIBER PRODUCTS

Glass fiber products has many characteristics such as nonflammable, anticorrosion, high strength, good electrical insulation, thermal insulation, high temperature resistance, hydrolytic resistance. Thus becomes the most necessary base materials to be used in the fields of electrical, aerospace, shipbuilding, automobile, chemical, furnace, boiler & chimney doors, fireplaces, pressure less service closure, tunnel furnaces, boiler & vessel doors, lid seals, wrapping of flexible tubing's & cables, static gasket for ovens, etc. TEMPRETURE - 600 C. SIZES- Rope- 3 MM & Up. Cloth- 0.1 MM & Up-Thickness. Width-1000 MM. Webbing Tape-2 MM & Up-Thickness. Width- Up to 100 MM.



## [13] K/10000 & K/11000 ASBESTOS FIBER PRODUCTS

These Products are made from Asbestos yarns. They are flexible, resilient, homogeneous & compact. This products are use for insulation in general low pressure, ingot moulds, wrapping of flexible tubing & cables, static gasket for ovens, boilers, doors, furnaces, sealing of oven doors, paper mills, dyeing plant, etc. This packing is also available with PTFE coating or Graphite Coating. Dry Process & Wet Process both qualities are available. It is available with S.S. wire, Brass Wire, Inconel Wire & Led Wire. Metallic packing is used in sealing of pumps, valves, power station, etc. TEMPRETURE-DRY PROCESS-300 C. WET PROCESS-400 C. Cut Rings are also available from metallic packing. SIZES.-Rope, Square Rope & Gland Packing with PTFE or Graphite coating- 3 MM & Up. Cloth-1.5 MM & Up-Thickness. Width-1000 MM, 1500 MM & 2000 MM. Webbing Tape- 2 MM & Up-Thickness. Width-Up to 100 MM.



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## [14] VT-27 & VT-999 COTTON FIBER PACKING -VEGITABLE FIBER PACKING NATURAL FIBER PACKING - ACRALICK FIBER PACKING

This packing is made from high quality cotton fibers. Mainly Vegetable fiber, Natural fiber OR Acrylic fiber. Also available with Graphite coating. It is used in Marine vessel, Marine Shafts, centrifugal pumps, etc. This Packing is also available with PTFE Coating. Temperature-150 C. Size- 3 MM & Up. Cut Rings are also available.



## [15] BOILER SLEEVES

These sleeves are made from Non Asbestos Fibers & coated with special graphite fitted with Stainless Steel or Brass eyelets. For high pressure & high temperature application. These sleeves are resistance against water, steam & oil. Temperature-500 C. Sizes-As per customer requirements all sizes are available.



## [16] RUBBERISED CLOTH, TAPE & MANHOLE BOILER GASKET

Rubberized products are made from Asbestos Fibers & coated with high grade Rubber. These products are available with metal & without metal also. It is useful for sealing covers of boilers, tanks, vessels, doors, cookers, autoclaves, etc. Temperature -150 to 175 C. Sizes- Cloth- 2 MM to 6 MM. Webbing Tape- 25 MM X 3 MM to 100 MM X 6 MM, Manhole Gasket – All sizes as per diagram.



## [17] PURE GRAPHITE TANGE SHEET & GASKET

These products are made from Flexible Graphite Sheets inserted with Tange metal useful for fittings, gauge glass, vessels, pipes joints, pumps, valves, chemical, pharmaceutical, petrochemical industries, power stations, paper sugar industries, etc. These products are high pressure resistance, radiation resistance extreme media resistance. These products are self lubricate maintenance free elastic. These are perfect replacements of Asbestos Products. [1] Grade -Pure Expanded Graphite [2] Density - 1g/cm<sup>3</sup> [3] Tolerance - + or - 0.03 [4] Carbon Content - 98 % [5] Tensile Strength - 3.5 Mpa [6] Compressibility - less than 40 % [7] Recovery - Less than 10 % [8] Sulphur - less than 1100 ppm [9] Chlorine - less than 45 ppm [10] Temperature - In Oxidizing – -200 to + 600 In Normal - 2500 C. [11] Maximum Pressure - 100 to 250 Bar Available Thickness – 1.5 MM to 100 MM



## [18] PURE PTFE & EXPANDED PTFE SHEET & GASKETS

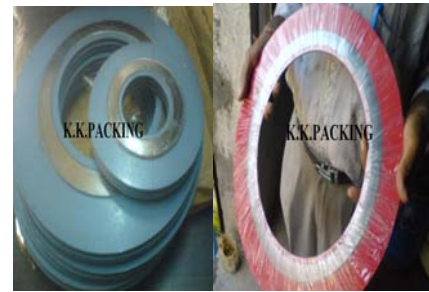
These Products are made from 100 % Pure PTFE Expanded Fibers. These products are very easy to adapt, easy to cut. As long as this are used the equipments will continue their service and keep its best performance. This are suitable for tube & pipe flanges, enameled flanges, vessels, containers, boilers, reactors, valves, pumps, turbines, lids, gauge glasses, agitators, heat exchangers, tension sensitive compounds, chemical, pharmaceutical, food industries, universal maintenance, diverse pipelines, glass, rubber, plastics, non rusting lining towers, etc. These products reduced deformation under pressure, better resilience under varying pressure, reduce thermal expansion coefficient up to approx-50 %, and raised compression strength. It can be filled with filler such as Graphite, Glass fiber, Carbon fiber, Kevlar fiber. PRESSURE:-Up to 250 Bar, TEMPRETURE: - -240 C. TO 275 C. Size- All Sizes in all products.



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## [19] SPIRAL WOUND GASKET

Spiral wound gaskets are made out of crimped metal tape with sealing wraps out of non asbestos or asbestos gasket materials with inner & outer metal rings. Inner & outer metal rings are optional. These gaskets are used for high temperature & high pressure flanges, duct flanges, pressure vessels, heat exchangers, fittings, etc. It is filled with Asbestos or Graphite or PTFE materials. These gaskets can resist maximum pressure load. Other material combinations are also available as per customer specification. Sizes-All sizes are available.



## [20] CAF JOINTING SHEET & GASKET – K/20000-RED & K/59000-GREY

These compressed sheets are made from organic fiber with nitrite rubber as a binder. These sheets are useful for steam high pressure application.

Color-RED & GREY, Density – 1.9 to 2.1

Maximum Pressure – Up to 80 bars. Maximum Temperature – Up to 300 C.

Thickness – From 0.5 MM to 5 MM. Width – 1000 MM X 1000 MM, 1500 MM X 1500 MM, 1500 MM X 2000 MM, 1500 MM x 3000 MM & 1500 MM X 4500 MM

## [21] CAF GRAPHITE METALLIC JOINTING SHEET & GASKET - K/20000, K/39000 & K/54000

These compressed sheets are made from organic fiber with nitrite rubber as a binder. These sheets are useful for non flammable gases, oil alkaline solutions. These sheets are inserted with metal. Both side graphite is also available. Color-GRAPHITE, Density – 2 to 2.4, Maximum Pressure – Up to 200 bars. Maximum Temperature – Up to 450 C.

Thickness – From 0.5 MM to 5 MM

Width – 1000 MM X 1000 MM, 1500 MM X 1500 MM, 1500 MM X 2000 MM, 1500 MM X 3000 MM & 1500 MM X 4500 MM



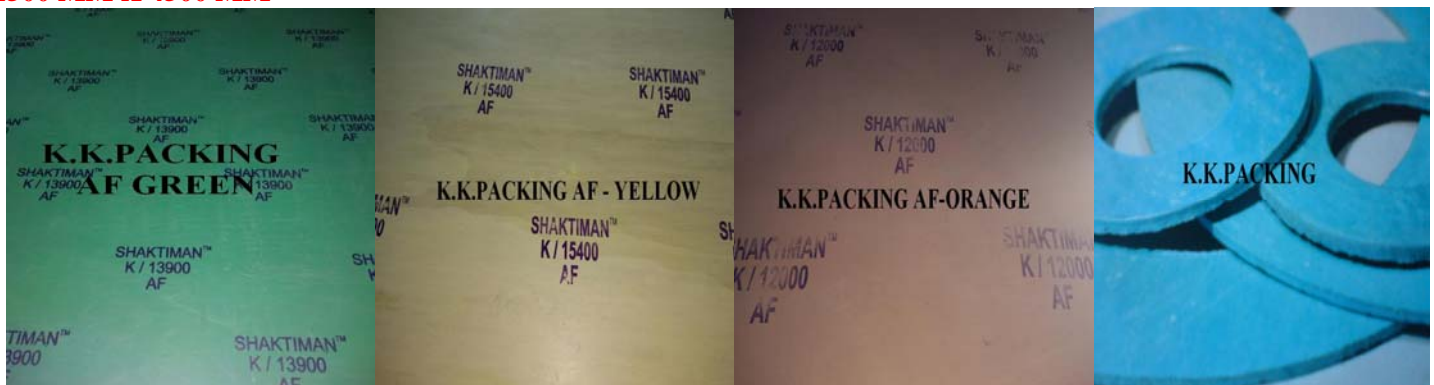
## [22] AF JOINTING SHEET & GASKET – K/12000-GREEN, K/15400-YELLOW, K/13900-ORANGE & K/16000-WHITE

These compressed sheets are made from synthetic fiber with nitrite rubber as a binder. These sheets are useful for steam high pressure application. Color-Green, Yellow, Orange & White

Density – 1.8 to 2, Maximum Pressure – up to 100 bars, Maximum Temperature – up to 375 C.

Thickness – From 0.5 MM to 5 MM

Width – 1000 MM X 1000 MM, 1500 MM X 1500 MM, 1500 MM X 2000 MM, 1500 MM x 3000 MM & 1500 MM X 4500 MM



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## [23] PTFE THREAD SEAL TAPE

Thread seal tape also known as PTFE tape or plumber's tape is a Poly Tetra Fluoro Ethylene (PTFE) film for use in sealing of pipe threads. The tape is sold cut to specific widths and wound on a spool, making it easy to wind around pipe threads. PTFE Thread Seal Tape is an unsintered tape made by extrusion of PTFE paste. It is a modern replacement material for all conventional pipes dopes. It can effectively alleviate many of your piping headaches, while substantially reducing piping cost and maintenance. It is chemically inert and withstands solvents. It provides tight assembly and easy disassembles. It's Flame resistant, no curing time is required & economical to use. Our PTFE tapes are thicker with more PTFE & dense than regular PTFE tapes. It can withstand temperature from - 50 C. to + 250 C. & very competitive in price also.



**OTHER PRODUCTS ARE ALSO AVAILABLE AS PER CUSTOMER'S SPECIFICATION.**

# ABOUT THE COMPANY

## ISO 9001-2008 CERTIFIED COMPANY

*We are in this field from 1965. This is our family business in trading activities. And I have with the God gift well experience in Manufacturing since 1994. My daddy SHRI CHANDUBHAI H. SHAH. Director of M/S VIJAY TEXTILES [1965 to 1994] has give lot off support to many of our family members, closed relatives & employers to start there own business. And today, many of them are on very top of hill among this some are still remember his help & support. In the year 1994 my daddy's Golden mission was succeed and with well blessings I have set up my own factory In the name of M/S K.K.PACKING. Director- Mr.Kiran Kumar C. Shah. In the year 2006 my son KALPESH K. SHAH completed his graduation and join his hand with my company & his very good-luck we have purchase latest & high-tech high-speed interlock braiding machines to stand in the 21st century's e-business global market. In machineries we have 4-Track, 3-Track, Auxiliary Press, Bobbin winder & Automatic Coiling Machine & other machines for huge production of Ropes & Gland Packing. High speed needle looms, tape looms & calendaring press for production of Webbing Tapes & Cloths. Hydraulic & other press for molding rings & other products. Today, my son Kalpesh Shah looked total production under his strict supervision, continue new R&D & his very hard workmanship and intelligent mind Step-by-step, gradually we have developed full range of Non-Asbestos Gland Packing & high-temperature Ropes to stand with International quality. We believed to produce high quality of heat insulation ropes & textiles products. We are from Hindu-Jain Family. Our 24th Tirthanker Lord SHRI MAHAVIR SWAMI has given message to the world that 'LIVE & TO BE LIVE'. So we have supported to all but, among this some people, relatives forgot our support. Any way this is called life. Now in Indian Market we are known as Genuine & very Quality Conscious Manufacturer. To meet all users daily requirements we are keeping in stock almost all our items.*

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