

KOHINOOR[®]

NON - ASBESTOS PACKINGS



SANGHVI GROUP PROFILE

The Sanghvi group of companies commands respect in markets around the world, for its consistent quality.

The group is a multifaceted, multi-product, multi-talented industrial divisions, comprising:

Sanghvi Products manufactures PTFE (Teflon®) thread sealant tapes and exports under UL listing. Offers a total spectrum of non-asbestos braided / compression packing made from material like PTFE, aramid, graphite, carbon and other high tensile fibre.

FLU-TEF INDUSTRIES



Manufactures high quality speciality PTFE (Teflon®) insulated equipment wires, multicore cables, RF co-axial cables, data bus cables and PTFE sleeves.

An ISO 9001:2000 certified company that manufactures aerospace wires & cables in polyimide (Kapton®), composite and speciality insulation. It has widespread clientele spanning satellite, launch vehicles, aeronautic and defence electronics. Awarded for excellence in aerospace indigenization.

SPC PRODUCTS



Manufactures silver / nickel / tin electro-plated copper / copper alloy / copper-coated steel wire conductors in single, strand and braid forms.

Manufactures PTFE (Teflon®) coated fibre glass cloths, adhesive tapes, conveyer belts, thread, polyimide / fibre glass tape and silicon coated fibre glass cloths.

These companies are vertically and horizontally integrated backward and forward, enabling the group to function as an industrial power house. What is more, it has enabled a distinct quality culture to evolve within the group. This quality consciousness encompasses all facets of their activities.

The various companies of the Sanghvi group present a highly impressive product-mix, catering to a wide range of industries from mid-tech industries to high-tech industries to industries that employ extremely advanced technologies.

SANGHVI AEROSPACE PVT. LTD.



MAHAVIR CORPORATION



KOHINOOR STYLE-11 & 12



PTFE Universal Soft Packing

Construction : Extruded soft packing made from PTFE and high temperature lubricant. Available in square and round sections.

Application : Suitable for pumps, valves and many other static applications. Due to the chemical inertness of PTFE, it can be used with all substances. Offers excellent sealing when used in place of gasket or jointing in flanges in almost all type of industries.

Service Parameters :	Temp.	pH	Pressure	Velocity	
	°C	Range	Kg/cm ²	Mtrs/sec	
	-100 to +260	0-14	20	4	
Standard Packing	Size (mm)	3	4	5 to 8	10 to 19
	Length (mtrs)	30	20	10	5

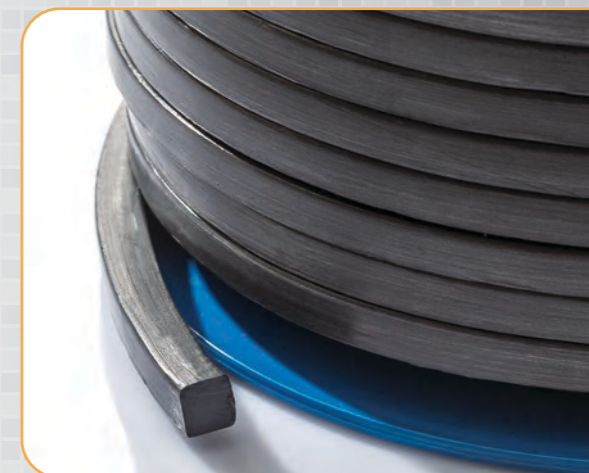
PTFE Graphite Soft Packing

Construction : An extremely low friction extruded soft and dense packing made from a special grade of PTFE, graphite and high temperature lubricant.

Application : This self-lubricating packing has excellent thermal and chemical resistance. It reduces friction to shafts and resists gas permeation. It is used in pumps, valves, stirring equipment and static applications for use with acids, dyes, solvents, adhesives and abrasive media. It is recommended to use rings of Style 61 or Style 71 on both ends.

Service Parameters :	Temp.	pH	Pressure	Velocity
	°C	Range	Kg/cm ²	Mtrs/sec
	-100 to +300	0-14	100	12

KOHINOOR STYLE-13



KOHINOOR STYLE-14



Valve Seal

Construction : Valve Seal is provided with double construction of 100% PTFE core with spiral wrapping of PTFE tape.

Application : The core fills all voids and conforms to uneven spindles and flanges while the spiral wrapping of PTFE tape prevents extrusion at both ends of the spindle. It is widely recommended for use on valves in various industries for obtaining practically Zero Leakage. Can also be used in place of gasket in flanged joint.

Service Parameters :	Temp.	pH	Pressure	Velocity			
	°C	Range	Kg/cm ²	Mtrs/sec			
	-100 to +260	0-14	200	---			
Standard Packing	Dia. (mm)	3	4	6	8	10	12
	Length (mtrs)	15	10	5	5	3	2

KOHINOOR STYLE-21



Expanded PTFE Tape

Construction : Expanded Soft packing made from a special grade PTFE resin with one side adhesive strip.

Application : This expanded soft packing fills all the voids in uneven or damaged surfaces thereby giving perfect sealing. It is chemically inert and can be used with almost all chemicals. One side of the packing has an adhesive strip hence it is very easy to install. It is widely used in place of gasket. Recommended for sealing flanges, housings of pumps, compressors & gearboxes, manholes, heat exchanger, reactors, agitators, mixers, tank lids and many other such applications.

Service Parametres :	Temp.	pH	Pressure	Velocity
	°C	Range	Kg/cm ²	Mtrs/sec
	-240 to +260	0-14	200	---

Standard Packing	Width (mm)	5	5	7	10	12	14	14	17	19	20	20	20
	Thickness (mm)	2	3	2.5	3	4	3	5	6	5	3	5	7
	Length (mtrs)	30	30	30	20	10	10	10	10	5	5	5	5
	Width (mm)	25	25	25	25	30	30	40	40	45	50	55	70
Thickness (mm)	1	5	7	10	3	5	3	5	3	3	3	3	
Length (mtrs)	10	5	5	5	5	5	5	5	5	5	5	5	

- We can also supply custom sizes / length as per customer's requirements.

KOHINOOR Comm.



PTFE 100% Packing

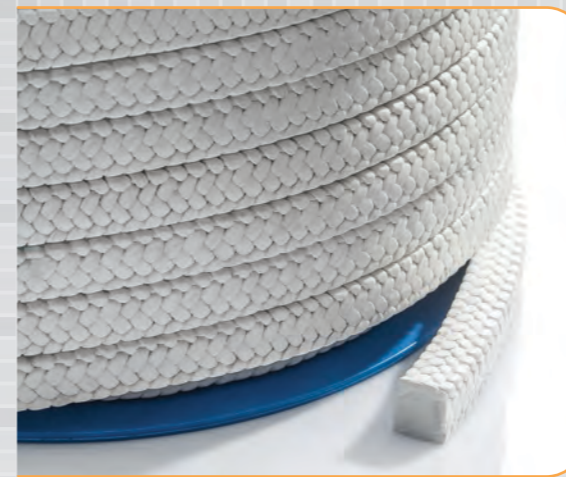
Construction : This is a specially developed packing made of 100% pure PTFE unsintered tape.

Application : It is a cost-effective replacement of PTFE impregnated asbestos packings. PTFE 100% square packing is a self-lubricating, chemically inert, non-toxic, and a non-hazardous material. It is very flexible packing and provides more efficient sealing with very low friction characteristics. This packing can be used against corrosive chemicals, solvents, oils and petroleum by products and oxygen service widely used for water handling equipments, liquid oxygen pumps, valves etc.

Service Parametres :	Temp.	pH	Pressure	Velocity
	°C	Range	Kg/cm ²	Mtrs/sec
	-100 to +260	0-14	50	5

- Available sizes from 6mm to 25mm for KOHINOOR Comm.

KOHINOOR STYLE-50



Lubricated PTFE Packing

Construction : Braided packing made from a special grade of PTFE inbuilt with an inert high temperature lubricant.

Application : This is a non toxic, chemically inert and self lubricating packing. Due to its chemical inertness it can be used against almost all media. Widely used in rotating and static applications. Excellent packing for use in food processing, pharmaceutical and chemical industries, etc.

Service Parametres :	Temp.	pH	Pressure	Velocity
	°C	Range	Kg/cm ²	Mtrs/sec
	-240 to +260	0-14	75	5

Lubricated PTFE Packing with Dispersion

Construction : High tensile yarn made from a special grade PTFE, impregnated with PTFE dispersion and lubricated with inert high temperature lubricant.

Application : This packing has particular characteristics such as low coefficient of friction and excellent tightness, making it suitable for rotary, reciprocating and static applications. It is widely used in all type of industries where purity and safety are vital criteria, such as food processing, pharmaceutical, chemical industries, etc.

Service Parametres :	Temp.	pH	Pressure	Velocity
	°C	Range	Kg/cm ²	Mtrs/sec
	-200 to +260	0-14	100	8

KOHINOOR STYLE-51



KOHINOOR STYLE-52



PTFE Packing with Dispersion

Construction : High tensile yarn made of special grade PTFE and impregnated with PTFE dispersion.

Application : This packing is mainly recommended where lubricant is not to be used due to danger of combustion. It is also used in pumps having low shaft speed and equipments in handling hazardous & corrosive chemicals. PTFE being chemically inert, can be used with almost all chemicals.

Service Parametres :	Temp.	pH	Pressure	Velocity
	°C	Range	Kg/cm ²	Mtrs/sec
	-200 to +260	0-14	100	5

- Available sizes from 3mm to 45mm for all above styles.

KOHINOOR STYLE-61



PTFE Graphite Packing

Construction : PTFE blended with graphite and lubricated with an inert high temperature lubricant.

Application : This packing is suitable for high-speed rotary applications. It can be used in contact with most media including the most aggressive. Also suitable for oxygen, paints, lacquers, varnishes. This packing is used in chemicals, petrochemicals, paper & pulp industries, textile industries, power plants, etc.

Service Parameters :	Temp.	pH	Pressure	Velocity
	°C	Range	Kg/cm ²	Mtrs/sec
	-240 to +300	0-14	300	20

KOHINOOR STYLE-41



Pure Expanded Graphite Packing

Construction : Diagonally braided from pure expanded flexible graphite yarn.

Application : Very flexible and supple packing, excellent alternative to pre-formed graphite-rings. The benefits of this packing are low friction and excellent thermal conductivity. It can be used with steam, water, oils, alkalis, acids, solvents, paints, varnishes on pumps and valves in high temperature and high pressure environments prevailing in power plants, boiler houses, refineries, steel mills, petrochemicals industries, etc.

Service Parameters :	Temp.	pH	Pressure	Velocity
	°C	Range	Kg/cm ²	Mtrs/sec
	-240 to +650	0-14	300	25

PTFE Graphite Packing

Construction : A special grade of PTFE bonded with quality graphite and lubricated with an inert high temperature lubricant.

Application : This packing is ideally well suited for high peripheral speeds and temperature. It can be used in pumps, valves, mixers, reactors, agitators, etc. This self-lubricating packing can be safely used in almost all chemical application including the most aggressive. Widely used in refineries, petrochemicals, fertilizers, textile industries, power plants, etc.

Service Parameters :	Temp.	pH	Pressure	Velocity
	°C	Range	Kg/cm ²	Mtrs/sec
	-240 to +300	0-14	300	25

KOHINOOR STYLE-62



Expanded Graphite Packing reinforced with SS Wire

Construction : Braided packing made from pure expanded flexible graphite yarn reinforced with high strength SS wire.

Application : A specially developed packing for high pressure and high temperature applications. Reinforcement of SS wire resists extrusion under high pressure. This packing has very low co-efficient of friction and has excellent heat conductivity. Widely used in valves handling gases, oils, fuels, steam, condensate, etc. It is also used in sealing of dryers, autoclaves, etc.

Service Parameters :	Temp.	pH	Pressure	Velocity
	°C	Range	Kg/cm ²	Mtrs/sec
	-240 to +650	0-14	400	---

KOHINOOR STYLE-41 SS



Pure Carbon Packing

Construction : High quality carbon fibre impregnated with graphite and an inert lubricant.

Application : This packing is extremely flexible and has excellent heat dissipating properties and very low coefficient of friction. It can be used for sealing boiler feed pumps, valves, mixers, etc., in pulp & paper, chemical & pharmaceutical industries, power plants, etc.

Service Parameters :	Temp.	pH	Pressure	Velocity
	°C	Range	Kg/cm ²	Mtrs/sec
	-240 to +600	0-14	200	20

KOHINOOR GP



PTFE Graphite Packing

Construction : Braided packing made from PTFE, graphite and an inert high temperature lubricant.

Application : A cost effective and ideal replacement for asbestos based packing. It is non toxic, self lubricating and chemically inert and hence can be used against almost all media. It is highly flexible and hence it is easy to install. Widely used for moderate speed rotary application in all type of industries. It is also used in static applications.

Service Parameters :	Temp.	pH	Pressure	Velocity
	°C	Range	Kg/cm ²	Mtrs/sec
	-240 to +280	0-14	200	10

• Available sizes from 3mm to 45mm for all above styles.

KOHINOOR STYLE-42



• Available sizes from 3mm to 45mm for all above styles.

KOHINOOR STYLE-71



Pure Aramid Packing

Construction : High strength organic aramid (aromatic polyamide) synthetic yarn impregnated with PTFE and lubricated with a special high temperature lubricant.

Application : High strength and its abrasion resistance of the yarn makes it ideal for use with abrasive sand, slurry, gritty media, sludge and sewerage handling equipments. It is used in pulp and paper, chemical, petrochemicals, pharmaceuticals, sugar, food industries, power plants, etc. Used as anti extrusion rings with other packing.

Service Parametres :	Temp.	pH	Pressure	Velocity
	°C	Range	Kg/cm ²	Mtrs/sec
	-240 to +260	2-12	250	12

KOHINOOR HC / SC



Hollow Core / Solid Core Packing

Construction : A packing with a center of hollow silicon core or solid silicon cord braided around by yarn of style 51, 61, 71, 82 & 83.

Application : A specially developed packing for use on rotating equipment with excessive shaft deviation. It also reduces shaft / sleeve wear. The center of silicon core / cord gives it strong restoration properties, and exerts back-pressure, resulting in total sealing. This packing is suitable for pumps, reactors, mixers, agitators, etc.

- Service parametres varies according to the packing style

PTFE & Aramid Combination Packing

Construction : Combination packing made of a high-grade PTFE yarn with aramid corners.

Application : A non toxic and dimensionally stable packing suitable for corrosive chemicals and abrasive media. This packing is also used as an anti extrusion rings as it can withstand high pressure in rotary as well as reciprocating applications. Widely used in food and pharmaceutical industries, dairies, refineries, fertilizer plants, etc.

Service Parametres :	Temp.	pH	Pressure	Velocity
	°C	Range	Kg/cm ²	Mtrs/sec
	-200 to +260	2-12	180	12

KOHINOOR STYLE-82



Pre Formed Ring Set

Construction : Die-molded braided compression packing rings with an oblique cut available in Style 41, 42, 51, 61, 71, 82 & 83.

Application : Chances of inconsistent length and edges are high in onsite cut rings even by experienced technician and these are main causes of packing failures. Die-molded braided compression packing rings are precisely cut as per the dimensions and hence minimises packing failures. It improves seal between the equipment shaft/stem and gland. It is easy to install and maintain, die-molded braided compression packing rings are the best option for applications in valves and pumps.

- Service parametres varies according to the packing style

KOHINOOR Ring Set



KOHINOOR STYLE-83



PTFE Graphite & Aramid Combination Packing

Construction : A high quality combination packing of Graphite bonded PTFE yarn with aramid corners.

Application : This packing has good sliding properties and thermal conductivity, making it an excellent packing option for high pressure pumps with sliding velocity. Aramid yarn corners prevent gap extrusion in high pressure & high temperature applications. It is widely used in applications involving abrasive media.

Service Parametres :	Temp.	pH	Pressure	Velocity
	°C	Range	Kg/cm ²	Mtrs/sec
	-240 to +260	0-12	200	20

- Available sizes from 3mm to 45mm for all above styles.

KOHINOOR Putty



PTFE / PTFE Graphite Putty

Construction : Malleable paste made from special grade PTFE or special grade PTFE bonded with Graphite, and a balanced compound of oils, greases and binders.

Application : This self-lubricating putty has excellent thermal and chemical resistance, and reduces friction on shafts. It is widely used on scored shafts and valve stems, in pumps, valves, reactors, agitators, etc. It is recommended to use anti extrusion rings of Style 41, 42, 51, 61, 71, 82 & 83.

Service Parametres :	Temp.	pH	Pressure	Velocity
	°C	Range	Kg/cm ²	Mtrs/sec
PTFE Putty	-100 to +260	0-14	100	5
PTFE Graphite Putty	-100 to +300	0-14	100	12

KOHINOOR STYLE-14 FDA



Valve Seal

Construction : Valve Seal is provided with double construction of 100% PTFE core with spiral wrapping of PTFE tape.

Application : The core fills all voids and conforms to uneven spindles and flanges while the spiral wrapping of PTFE tape prevents extrusion at both ends of the spindle. It is widely recommended for use on valves in various industries for obtaining practically Zero Leakage. Can also be used in place of gasket in flanged joint.

- Complies with: US FDA 21 CFR 177.1550

Service Parametres :	Temp.	pH	Pressure	Velocity
	°C	Range	Kg/cm ²	Mtrs/sec
	-100 to +260	0-14	200	---

Expanded PTFE Tape

Construction : Expanded Soft packing made from a special grade PTFE resin with one side adhesive strip.

Application : Expanded soft packing fills all voids in uneven or damaged surfaces thereby giving perfect sealing. Recommended for sealing flanges, housings of pumps, reactors, compressors & gearboxes, manholes, heat exchangers, agitators, mixers, tank leads and many other such applications.

- Complies with: US FDA 21 CFR 177.1550 (PTFE)
US FDA 21 CFR 175.105 (Adhesive Backing Tape)

Service Parametres :	Temp.	pH	Pressure	Velocity
	°C	Range	Kg/cm ²	Mtrs/sec
	-240 to +260	0-14	200	---

KOHINOOR STYLE-21 FDA



UL APPROVED TAPE



Our long standing reputation as a quality supplier of PTFE thread seal tape is guaranteed by **UNDERWRITERS LABORATORIES INC., USA**. These high density PTFE thread seal tapes are available in yellow, pink and white colours having various densities and widths as given below. Suitable for lines carrying propane, butane, natural gas, water, oil and chemicals, usable on all type of pipes & threads, and capable to withstand pressure upto 100 PSIG, and temp. of -240° C to +260°C. We also manufactures Super Seal, Kohinoor, Crown & Cooper brand PTFE Thread Seal tapes as per BS 4375 & MIL - T - 27730A.

- We can also supply PTFE Tapes as per customer's specification, Length, Width and Brand.

Part No.	Width (inch)	Thickness (inch)	Density (gm/cc)
SP 08	0.5, 0.75 & 1	0.0035	0.65 to 0.95
SP 10	0.5, 0.75 & 1	0.0035	0.85 to 1.15
SP 12	0.5, 0.75 & 1	0.0035	1.05 to 1.35
SP 14	0.5, 0.75 & 1	0.0035	1.25 to 1.55
SP 16	0.5, 0.75 & 1	0.0035	1.60 (min.)



KOHINOOR STYLE-52 FDA



Pure PTFE Packing

Construction : High tensile yarn made of special grade PTFE and impregnated with PTFE dispersion.

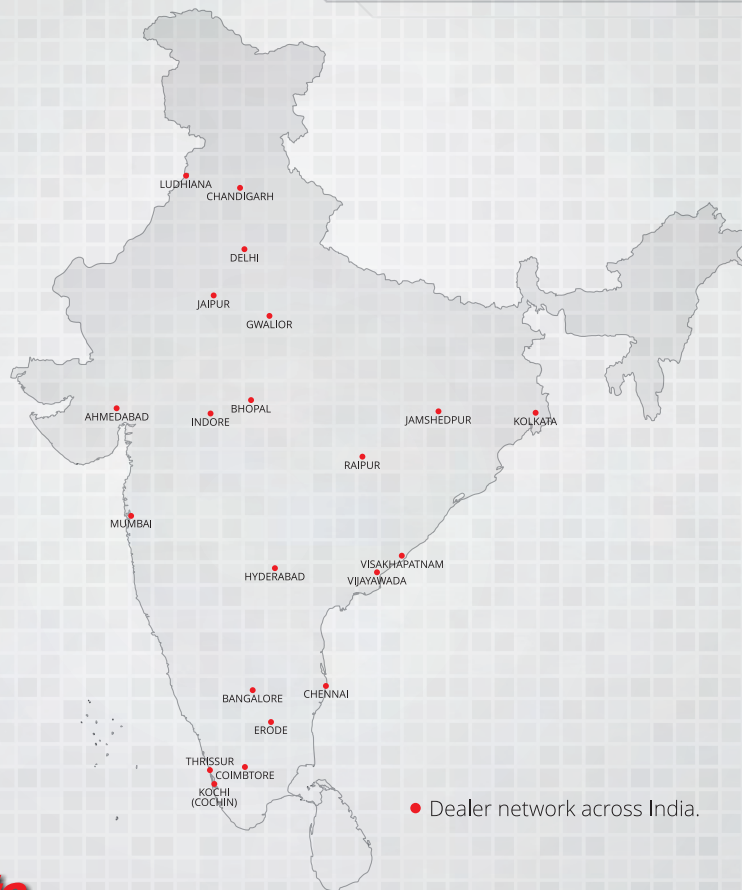
Application : This packing is mainly recommended where lubricant is not to be used due to danger of combustion. It is also used in pumps having low shaft speed and equipments in handling hazardous & corrosive chemicals.

- Complies with: US FDA 21 CFR 177.1550

Service Parametres :	Temp.	pH	Pressure	Velocity
	°C	Range	Kg/cm ²	Mtrs/sec
	-200 to +260	0-14	100	5

Brand Name	Width (mm)	Thickness (mm)	Length (mtrs)
Super Seal FDA	12.5, 19 & 25	0.075	12
Kohinoor	12.5, 19 & 25	0.075	12
Crown	12, 19 & 25	0.075	10
Cooper	12, 19 & 25	0.075	10

Standard Packing	inch	0.5	0.75	1.00
	mm	12 / 12.5	19	25
	pcs.	200	100	100



• Dealer network across India.

MFG. BY :



182/3, Ranipur Gam, Opp. Bal Hanuman Fabrics, Near Anand Industrial Estate, Narol, Ahmedabad-382 405. INDIA.
Phone : +91-79-2929 5622 / 3244 5340 | **E-mail :** info@sanghviproducts.com | **Website :** www.sanghviproducts.com

All technical information and recommendations given here are based on our first-hand experience. However we do not undertake any legal responsibilities for the same. The customer is advised to check information, data and results, since the performance of a packing or thread sealant tape can be judged only through onsite evaluation.

* Teflon® & Kapton® are registered trademark of Dupont, USA.

* India map is just for illustration however we do not take any responsibility for accuracy of map. It is just to show our dealer network across Indian territory.