GLAND PACKING PRODUCT CATALOG

SEALING SOLUTION

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GLAND PACKING

GTE2600

Pure Glass Fiber Packing

Temperature	pH	Speed	Pressure
Max 600˚C	3 - 14	1 m/s	Max 40 Bar

Fiberglass braided rope packing is made from 100% non-asbestos fiberglass yarns. It is light-weight, extremely robust and has low thermal conductivity. Fiberglass rope have excellent heat stability under various types of conditions. Made by inorganic flexible fiberglass fibers, twisted together to form desired cross section. Henceforth ropes of required sizes (in round or square section) are manufactured by interlock braiding technology, and tension are adjusted in machine to obtain desire tightness in ropes. Widely used in various applications such as: processing vessels, tanks, grooves,furnace doors, covers, ovendoors, flanges in sheet metal & steel fabricating industries etc.

GTE2600WGP

Glass Fiber Packing Graphite with Wire

Temperature	pH	Speed	Pressure
Max 600˚C	0 - 14	20 m/s	To 20 bar (rotating) To 40 bar (reciprocating) To 150 bar (static)

Fiberglass packing with wire coated graphite powder. Fiberglass packing coated graphite powder is braided by fiberglass yarns and coated with powder. For better tensile strength and velocity, the packing's structural strength is reinforced by stainless steel and nickel wire. Fiberglass packing coated graphite powder can be used in alkalis, thinned inorganic acids, water, steam, organic gases, solutions of every kind. Can be utilized in paper mills, dyeing plant, foodstuff, pharmaceutical and oenologic industries.

GTE2610

Glass Fiber Packing with PTFE Dispersion

Temperature	pH	Speed	Pressure
Max 600˚C	0 - 14	20 m/s	To 20 bar (rotating) To 40 bar (reciprocating) To 150 bar (static)

Fiberglass PTFE packing is diagonal braided by C or E-glass fiber yarns which are pre-impregnated by PTFE suspension liquid, afterward it will be re-impregnated by PTFE. Glass fiber is standout among the different organic and inorganic fibers as ideal replacement of asbestos. All of fiberglass products are made of good quality E-glass fiber. Pure PTFE packing braided by pure PTFE fiber, without PTFE emulsion and grease treatment. Suitable as a static seal for vessels, heaters, manhole, lids, covers, thermal insulation and fire-proof of pipes etc. Suitable for chemically neutral and resistant to water, steam, hot air, oils and so on.

GTE2630

Glass Fiber Packing with Graphite

Temperature	pH	Speed	Pressure
Max 600˚C	0 - 14	20 m/s	To 20 bar (rotating) To 40 bar (reciprocating)

Fiberglass packing coated graphite powder. This packing is diagonally braided by C or E-glass fiber yarns which are pre-impregnated by PTFE suspension liquid, afterward it will be re-impregnated by PTFE and lubricated with silicone oil. It can be used in alkalis, thinned inorganic acids, water, steam organic gases, solutions of every kind. It is generally utilized in paper mills, dyeing plant, foodstuff, pharmaceutical and oenologic industries.

GTE2700

Ceramic Fiber Packing

Temperature	pH	Speed	Pressure
Max 1200˚C	3 - 14	12 m/s	Max 150 Bar

High temperature ceramic fiber gland packing. Made of high quality fiber synthetic filament, extremely robust, high temperature resistant, low density, low coefficient of thermal conductivity, excellent insulation and incombustible. Widely used in water, steam, air, oil and other high temperature neutral medium. Generally used for pipe insulation fire, static seal for containers, heater, manhole, furnace, temperature flange, etc.

GLAND PACKING

GTE2710 Pure Ceramic Fiber Packing with Wire

Temperature	pH	Speed	Pressure
Max 1260˚C	0 - 9	12 m/s	0 - 10 Bar

Ceramic packing guarantees excellent flexibility and mechanical resistance and can be used for continuous temperatures of up to 650°C (glass-fibre reinforced) or up to 1050°C (Inconel-reinforced). Ceramic packing is manufactured from high performance refractory ceramic fiber yarns reinforced with a nickel chrome wire. Ceramic yarns are produced on traditional textile machinery by carding high purity 1260°C grade ceramic fibres with a percentage of cellulose fibre to assist in processing. The yarns are spun and combined with the relevant re-enforcing media to improve the tensile strength at extended temperatures. Resistant to most chemicals except phosphoric acid, hydrofluoric acid and strong alkalis. Ceramic packing is incombustible, has low thermal conductivity, and is resistant to thermal shock. Widely used in water, steam, gas, oil and other high temperature neutral medium. Suitable for pipe insulation fire, static seal for containers, heater, manhole, furnace, high temperature flange etc.

GTE2800 Pure Acrylic Fiber Packing

Temperature	pH	Speed	Pressure
-50˚C to + 204˚C	2 - 11	To 12 m/s	To 20 bar (rotating) To 70 bar (reciprocating) To 100 bar (static)

Pure Acrylic fiber packing. This packing is a general industry and commercial grade packing in all mild pump application. This packing is non abrasive to the mating surface. This packing is excellent for low speed, low temperature and moderate speed applications. Suitable for valve, mild pump, petrochemical industries, oil & gas, pulp & paper, agriculture, wastewater, commercial, power utilities and others.

GTE2810 Acrylic Fiber Packing Impregnated PTFE Dispersion

Temperature	pH	Speed	Pressure
-50˚C to + 260˚C in steam	2 - 12	To 12 m/s	To 20 bar (rotating) To 70 bar (reciprocating) To 100 bar (static)

Acrylic fiber packing impregnated PTFE Dispersion. Made of braided acrylic, syntetic fiber packing , PTFE Dispersion and heat resistance lubricant. Used in centrifugal pumps,valves and dynamic equipment in marine industries, agriculture, ecology installation, foundry & steel plants and for all sorts of applications like mining, vessels, sugar mills, heating and others.

GTE2820 Acrylic Fiber Packing with PTFE Lubricated

Temperature	pH	Speed	Pressure
-50˚C to + 260˚C	2 - 12	To 12 m/s	To 20 bar (rotating) To 70 bar (reciprocating) To 100 bar (static)

Acrylic fiber packing impregnated PTFE dispersion & heat resistant lubricant. Made of braided asbestos-free acrylic, synthetic fiber packing, PTFE dispersion and impregnated heat resistant lubrication. It has superior sealing capacity and stability because of the flexibility and low friction fitting with shaft. Used in centrifugal pumps, valves and dynamic equipment in marine industries agriculture and ecology installation, foundry and steel plants and for all sorts of application like mining vessels, sugar mills, heating, and others.

GTE3310 Pure Asbestos Fiber Packing

Temperature	pH	Speed	Pressure
- 100˚C To + 260˚C	2 - 13	To 10 m/s in rotary	To 10 bar (rotating) To 15 bar (reciprocating) To 30 bar (static)

Braided from high quality asbestos fiber. White color, densely square braided construction. Universal packing, especially suitable for a wide range of applications for large rotary pumps in the medium pressure range. Suitable for chemical neutral operation, and is resistant to water, steam, hot air, oils, etc.

GLAND PACKING

GTE3315

Pure Asbestos Fiber Packing with Wire

Temperature	pH	Speed	Pressure
- 100˚C To + 260˚C	2 - 13	T0 10 m/s in rotary	To 10 bar (rotating) To 15 bar (reciprocating)

High quality asbestos fiber reinforced wire. White color, densely square braided construction. Universal packing, especially suitable for a wide range of applications for large rotary pumps in the medium pressure range. Suitable for chemical neutral and is resistant to water, steam, hot air, oils, etc.

GTE3320

Asbestos Fiber Packing with Graphite

Temperature	pH	Speed	Pressure
- 100˚C To + 300˚C	3 - 12	T0 10 m/s in rotary	To 15 bar (rotating) To 30 bar (reciprocating) To 60 bar (static)

High quality asbestos fiber impregnated with graphite and oil, it has good elasticity and good sliding properties. Black color, densely square braided construction. Universal packing, for rotary, reciprocating pumps, in ship building and domestic fresh water pumps. Suitable for chemical neutral, and is resistant to water, steam, hot air, oils, etc.

GTE3335

Asbestos Fiber Packing Graphite with Wire

Temperature	pH	Speed	Pressure
- 100˚C To + 300˚C	3 - 12	T0 10 m/s in rotary	To 15 bar (rotating) To 30 bar (reciprocating) To 60 bar (static)

High quality asbestos fiber impregnated with graphite and oil. It is reinforced with wire, so that it is highly elastic and has good sliding properties. Black color, densely square braided construction. Universal packing, for rotary, reciprocating pumps, in ship building and domestic fresh water pumps. Suitable for chemical neutral, and is resistant to water, steam, hot air, etc.

GTE3340

Asbestos Fiber Packing Impregnated PTFE Dispersion

Temperature	pH	Speed	Pressure
- 100˚C To + 260˚C	2 - 13	To 10 m/s in rotary	To 10 bar (rotating) To 20 bar (reciprocating) To 40 bar (static)

Braided from high quality asbestos fiber. Impregnated with PTFE. It has anti-corrosive and long service properties. White color, densely square braided construction. Universal packing, especially suitable for a wide range of application for large rotary pumps in the medium pressure range . Suitable for chemical neutral, and is resistant to water, steam, hot air, oils, etc.

GTE3341

Asbestos Fiber Packing with PTFE & Oil Lubricated

Temperature	pH	Speed	Pressure
- 100˚C To + 260˚C	2 - 13	To 10 m/s in rotary	To 10 bar (rotating) To 20 bar (reciprocating) To 40 bar (static)

Braided from high quality asbestos fiber impregnated with PTFE & Oil lubrication. It has anti-corrosive and long service properties. White color, densely square braided construction. Universal packing, especially suitable for a wide range of applications for large rotary pumps in the medium pressure range. Suitable for chemical neutral, and is resistant to water, steam, hot air, oils, etc.

GLAND PACKING

GTE9010

Expanded Graphite Fiber Packing

Temperature	pH	Speed	Pressure
-100˚C to + 600˚C in steam	0 - 14	To 20 m/s in rotary	To 30 bar (rotating) To 80 bar (reciprocating) To 140 bar (valve)

GTE9010 is pure expanded graphite braided gland packing to serve high temperature application. Braided graphite packing made from exfoliated graphite yarn to serve extreme temperature of 600◦C. It has low coefficient of friction, excellent thermal conductivity and operates on less gland load. Recommended for pumps and valve stuffing boxes which handle water, steam, oil, alkalis containing non-abrasive particles, and hot air.

GTE9011

Expanded Graphite Fiber Packing with Wire Reinforced

Temperature	pH	Speed	Pressure
-100˚C to + 600˚C in steam	0 - 14	To 22 m/s in rotary	To 40 bar (rotating) To 120 bar (reciprocating) To 200 bar (valve)

GTE9011 is expanded graphite braided gland packing with wire to serve high temperature application. Braided graphite packing made from exfoliated graphite yarn having anti-corrosion and lubrication property, reinforced with stainless steel/inconel wire to serve extreme high temperature and high pressure for static application. It has low co-efficient of friction and excellent thermal conductivity. Recommended for valve stuffing boxes that handle hight-temperature steam.

GTE9020D

Ramie Fiber Packing with PTFE Dispersion

Temperature	pH	Speed	Pressure
-50˚C To + 130˚C	5 - 11	To 10 m/s	To 20 bar (rotating) To 20 bar (reciprocating) To 30 bar (Static)

Highest quality ramie fiber impregnated with light-colored, special PTFE and inert Lubricant. Low maintenance, easy to control, and gentle on shafts and steams. For pumps, refiners, filters and valves in the brewing and beverage industry, shipbuilding and other fields. Highly resistant to abrasive media in the paper industry.

GTE9020L

Ramie Fiber Packing with PTFE Impregnated Lubrican

Temperature	pH	Speed	Pressure
-30˚C to + 120˚C	4 - 11	To 12 m/s	To 15 bar (rotaring) To 50 bar (reciprocating) To 100 bar (static)

100% natural Ramie fiber impregnated FTPE dispersion & heat resistant lubricant. High abrasion and extrusion resistance and low friction factor, it is a flexible, readily controllable packing which requires little maintenance and is gentle on shafts. Appliable to seal pumps, refiners, filters, and valves in the brewing & beverage industry, the paper industry, shipbuilding and other fields. It is also appliable in other industry that process food, oil, greases, cellulose mashes, etc.

GLAND PACKING

GTE9021

Ramie Fiber with Grease Impregnated

Temperature	pH	Speed	Pressure
-30˚C to + 80˚C	6 - 8	6 m/s	To 15 bar (rotaring) To 15 bar (reciprocating) To 20 bar (static)

Ramie packing coated with grease. Low frictional characteristics & rot resistant, ideal for marine use. This medium hard packing is grease lubricated, with extremely low frictional characteristics, where minimum shaft wear is essential. Generally utilized at marine industries, cold water, brine and cold pressed oils.

GTE9022

Ramie Fiber with Graphite and Oil Impregnation

Temperature	pH	Speed	Pressure
-30˚C To + 120˚C	6 - 8	6 m/s	To 15 bar (rotating) To 15 bar (reciprocating) To 20 bar (static)

Ramie packing with graphite and oil impregnation, graphite coated and mineral oil lubricated all over the packing. Low frictional characteristics, rot resistant, ideal marine use. The medium hard packing which is lubricated and graphited all over the packing. Extremely low frictional characteristics, where minimum shaft wear is essential. Suitable for cold water, brine and cold pressure oils.

GTE9043

Pure PTFE Fiber Packing

Temperature	pH	Speed	Pressure
-100˚C to + 260˚C	0 - 14	To 2 m/s	To 15 bar (rotating) To 100 bar (reciprocating) To 150 bar (static)

Pure PTFE yarn without any lubrication. Designed for low-speed and medium-pressure valves and shaft in food processing, pharmaceuticals, paper mills, fiber plants where high purity and corrosion resistance is required. Rotary and reciprocating plant in the food processing, pharmaceutical, special chemicals, and pulp and paper sectors. It product recommended particullary for sugar and chocolate processing, and fine paper production.

GTE9044

Pure PTFE Fiber Packing with Special Lubrican

Temperature	pH	Speed	Pressure
-100˚C to + 260˚C	0 - 14	To 10 m/s	To 15 bar (rotating) To 100 bar (reciprocating) To 180 bar (static)

Pure PTFE yarn impregnated with special lubrication. It is designed for dynamic condition. The oil can reduce the frictional factor. Recommended for all heavy chemical and corrosive environment. It is compatible with all fluids except for molten alkali metals. It can also be used for braided valve & pump packing.

GTE9045

Pure PTFE Fiber Packing with Aramid Corners

Temperature	pH	Speed	Pressure
-80˚C to + 280˚C	2 - 12	To 12 m/s	To 20 bar (rotating) To 100 bar (reciprocating) To 150 bar (static)

PTFE packing with aramid fiber corners is a multi-yarn packing, the corners of packing are made of aramid fiber yarns. Impregnated with PTFE, the friction faces are made of pure PTFE thread. It is pre lubricated with silicone oil. Combination of pure white PTFE fiber and Aramid fiber at the corner tracts to reduce extrusion and increase strength. Recommended for caustics, mild acids, heavy chemicals, gases, solvents, oil, general application & ammonia carbonate services can be used in food application.

GLAND PACKING

GTE9046

PTFE Graphite Fiber Packing

Temperature	pH	Speed	Pressure
- 100˚C to + 280˚C	0 - 14	To 20 m/s	To 30 bar (rotating) To 100 bar (reciprocating) To 150 bar (static)

High strength graphite yarn, impregnated with PTFE dispersion. Braided by high strength PTFE filament yarn with graphite impregnation. The characteristics are similar to "CGFO". The packing contains more graphite content compared with normal PTFE, the characteristics are similar to GFO, has cross-sectional density, and some particles of graphite on surface has lubricating qualities of the PTFE graphite fiber. Recommended for application on the shaft working in direct contact with any chemical elements.

GTE9048

PTFE Graphite Fiber & Aramid Fiber Corner

Temperature	pH	Speed	Pressure
-100˚C to + 280˚C	2 - 12	To 12 m/s	To 25 bar (rotating) To 100 bar (reciprocating) To 150 bar (static)

Graphite PTFE packing with aramid fiber corner is a multi-yarn packing, the corners of packing are made of aramid fiber yarns. Impregnated with PTFE, the friction faces are made of graphite PTFE yarn. It is pre-lubricated with silicone oil. This construction provides the strength of aramid fiber, along with heat dissipating and lubricating qualities of the PTFE Graphite fiber. Recommended for caustics, mild acids, difficult chemicals, air gases, solvents, oil, and general application.

GTE9050

Carbonized Fiber Packing PTFE with Graphite

Temperature	pH	Speed	Pressure
-50˚C To + 280˚C	2 - 12	To 20 m/s	To 20 bar (rotating) To 100 bar (reciprocating) To 200 bar (static)

Carbonized fiber packing with PTFE dispersion containing graphite particles. Carbonized fiber packing with PTFE and Graphite makes the packing have excellent self lubrication. It is generally used in weak acids and alkalis or media containing few grains of solid particle. Mainly used for centrifugal pumps, plunger pums, mixers and valves.

GTE9051

Carbonized Fiber Packing with PTFE Dispersion

Temperature	pH	Speed	Pressure
- 100˚C To + 280˚C	2 - 14	To 14 m/s	To 20 bar (rotating) To 100 bar (reciprocating) To 200 bar (static)

Carbon fiber which is impregnated with PTFE dispersion. Pre-oxidized fiber has high strength and good thermal conductivity and PTFE makes the packing have excellent self-lubrication. Used in general applications and general services involving high temperature and high pressure in valves, pumps and sealing application. Suitable for steam, oil, bleach, solvents, acids, alkalis, and other products.

GTE9052

Carbon Fiber Packing with PTFE Dispersion

Temperature	pH	Speed	Pressure
- 100˚C To + 500˚C	0 - 14	To 15 m/s	To 50 bar (rotating) To 100 bar (reciprocating) To 200 bar (static)

Carbon fiber packing impregnated with PTFE. This carbon fiber braided packing impregnated with PTFE dispersion is made of pre-oxidized fibers is robust and has good thermal conductivity. The PTFE in it makes it has such excellent self-lubrification ability. Highly suitable for the sealing of a wide range of chemically aggressive mediums and environments, as well as for water and steam applications up to 300◦C, oil, grease, power industry, as well as in the chemical, cellulose, oil-refining industries, metallurgy, pharmaceutical, food processing, etc.

GLAND PACKING

GTE9053

Carbon Fiber Packing PTFE with Graphite

Temperature	pH	Speed	Pressure
-50˚C to + 500˚C	2 - 12	To 20 m/s	To 25 bar (rotating) To 100 bar (reciprocating) To 200 bar (static)

Carbon fiber packing with PTFE dispersion containing graphite particles. Carbon fiber packing with PTFE and Graphite makes the packing have excellent self-lubrication. It is generally used in weak acids and alkalis or media containing few grains of solid particle. Mainly used for centrifugal pumps, plunger pumps, mixers and valves.

GTE9054

Carbonized Fiber Packing with PTFE Lubricated

Temperature	pH	Speed	Pressure
Max 250˚C	2 - 12	-	To 20 bar (rotating) To 100 bar (reciprocating) To 250 bar (static)

Carbonized fiber packing with PTFE lubricated dispersion. Carbonized fiber packing is a braided packing made of carbonized poly acrylonitrile fibers and finished with PTFE dispersion and lubricant. It covers a wide range of applications, for example, it can seal water, brine, mill effluent alternative solutions, mineral oil, etc. Suitable for centrifugal pumps, stirrers, mixers, stern tubes, etc.

GTE9055

Aramid Fiber Packing

Temperature	pH	Speed	Pressure
-150˚C to + 280˚C	3 - 11	To 15 m/s	To 25 bar (rotating) To 140 bar (reciprocating) To 180 bar (static)

Aramid fiber packing braided from high quality aramid and kevlar fiber with PTFE impregnated and lubricant additive. It is highly resistant but may damage the shaft if not used properly. Therefore, minimum shaft hardness of 60HRC is highly recommended. Yellow in color, densely square braided construction. Recommended for general service, caustic, mild acids, chemicals, air, oil, gases, solvent, general chemical plant application and high-pressure application.

GTE9058

PTFE Graphite Fiber & Pure PTFE Fiber Corner

Temperature	pH	Speed	Pressure
Max 280˚C	0 - 14	To 20 m/s	To 20 Bar (rotating)

PTFE/Graphite yarn with lubricated PTFE yarn corner model. Graphite PTFE fiber yarn and lubricated PTFE yarns are braided to a packing in combination. It shows excellent chemical resistance, mechanic strength and self-lubrication. Suitable for corrosive fluid, organic solvents, chemicals rotary machine, rotary pumps, reciprocating pumps, agitator, etc.

GTE9060

Kynol Fiber Packing with PTFE Lubricated

Temperature	pH	Speed	Pressure
Max 300˚C	1 - 13	To 20 m/s	To 20 bar (rotating) To 100 bar (reciprocating) To 200 bar (static)

PTFE impregnated and lubricated with kynol fiber packing. A high performance packing that is well suited to applications where graphite impregnation may not be acceptable. Suitable for abrasive media, and where contamination is not permitted. It has multiple usage in chemical plants and pulp and paper mills, and is regularly used in rotating and reciprocating pumps, washer journals, liquor pumps, refiners and digesters. Kynol fiber yarns impregnated with PTFE dispersion. Suitable for water, oil, stem water, oil, stemp, acid alkali (except heated sulphuric, acid, nitric, acid) compression pumps, rotary pumps, agitator, etc.

SEALING SOLUTION

PRODUCT CATALOG

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