SEALING SOLUTIONS

GLAND PACKING

AGT 2600

Glass Fiber

Temperature	pH	Speed	Pressure
600° C	5 - 9	20 m/s	10 - 60 Bar

Has a good electrical insulation, Resistant to high Resistant to corrosion, Extremely strong, Non-flammable, High strength, Good Thermal insulation, Excellent hydrolytic resistance.

As a static seal for vessels, heaters, manhole, lids, covers, thermal insulation and fire-proof of pipes etc. Suited for chemically neutral and resistant to water, steam, hot air, oils , etc.

AGT 2600 WGP

Glass Fiber Wire Graphite Packing

Temperature	pH	Speed	Pressure
600° C	4 - 10	20 m/s	10 - 60 Bar

Square braided from E-glass fiber impregnated with PTFE, that largely prevents solids from entering the seal and maintains its elasticity.

As a static seal for vessels, heaters, manhole, lids, covers, thermal insulation and fire-proof of pipes etc. Suited for chemically neutral and resistant to water, steam, hot air, oils, etc

AGT 2610

Glass Fiber PTFE Lubricant Packing

Temperature	pH	Speed	Pressure
600° C	4 - 12	20 m/s	10 - 60 Bar

Glass fiber PTFE packing is braided by texturized fiberglass yarns impregnated with PTFE dispersion. Can be utilized on stainless steel or chromed shafts in the presence of high peripheral speeds without etching them.

Suitable for alkalis, thinned inorganic acids, water, steam, organic gases, solutions of every kind. It can be utilized in paper mills, dyeing plant, foodstuff, pharmaceutical and oenologic industries.

AGT 2630

Glass Fiber Packing with PTFE Impregnation

Temperature	pH	Speed	Pressure
600° C	4 - 10	20 m/s	10 - 60 Bar

Low maintenance, easy to control, Excellent capabilities of high strength and high temperature resistance, Economical packing.

As a static seal for vessels, heaters, manhole, lids, covers, thermal insulation and fire-proof of pipes etc. Suited for chemically neutral and resistant to water, steam, hot air, oils, etc. It can be used for pumps & valves.

AGT 2700

Ceramic Fiber Packing

Temperature	pH	Speed	Pressure
-100 °C to + 1000 °C	5 - 9	To 10 m/s in rotary	To 10 bar (rotating) To 15 bar (Reciprocating) To 50 bar (Static)

Ceramic fiber is standout among the different organic and inorganic fibers as ideal replacement of asbestos. The packing are made from high quality ceramic fiber, it has excellent capabilities of high strength and high temperature resistance.

GLAND PACKING

AGT 3310

Pure Asbes

Temperature	pH	Speed	Pressure
200° C	2 - 13	8 m/s	15 Bar

Asbestos yarn are braided into a square packing

General-purpose gland packing for high speed rotating and reciprocating spindles and static.

AGT 3320

Asbes Graphite

Temperature	pH	Speed	Pressure
200° C	2- 13	8 m/s	18 Bar

Asbestos Graphite non-metallic packing is formed by interbraided method to from very dense and yet flexible packing. Each thread is impregnated into a solution with high lubrication value, the life of this packing is much then ordinary packing.

General-purpose gland packing for high speed rotating and reciprocating spindles and static.

AGT 3335

Stainless Steel Wire Reinforced Asbetos Packing

Temperature	pH	Speed	Pressure
200° C	2 - 10	8 m/s	18 Bar

Braided from high grade asbestos yarn suitably lubricated and reinforced with stainless steel wire. This is an ideal choice for high temperature valve application.

Suitable for service with steam, butane and propane gases, oil vapour, furnace oil etc. Please state when spindle/rod is stainless steel.

AGT 3340

Asbestos Packing with PTFE Impregnation

Temperature	pH	Speed	Pressure
Max 260° C	2 - 13	10 m/s	20 Bar

Long fiber white asbestos impregnated with PTFE. It has anticorrosive and long service properties.

Especially suitable for a wide range of applications for large rotary pumps in the medium pressure range.

AGT 3341

Asbestos Packing with PTFE & Oil Impregnation

Temperature	pH	Speed	Pressure
Max 260 °C	2 - 12	10 m/s	20 Bar

Treated with PTFE & a special lubricant, without etching.

Especially suitable for a wide range of applications for large rotary pumps in the medium pressure range.

GLAND PACKING

AGT 9010

Expanded Graphite 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)

Structure : AGT-9010 is pure expanded Graphite braided gland packing to serve high temperature application.
Physical Property : 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.
Application: Recommended for pumps and valve stuffing boxes which handle water, steam, oil, alkalis containing non-abrasive particles, hot air.

AGT 9011

Expanded Graphite Packing with Wire Reinforced

Temperature	pH	Speed	Pressure
-100 °C to +600 °C in steam	0 - 14	To 22 m/s in rotary	18 Bar

Structure : AGT-9011 is expanded Graphite braided gland packing with wire to serve high temperature application.
Physical Property : Braided Graphite packing made from exfoliated Graphite yarn having corrosion inhibitor property and a proprietary lubricant, 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.
Application: Recommended for valve stuffing boxes that handle super heated steam

AGT 9020

Ramie Fiber with PTFE Impregnated

Temperature	pH	Speed	Pressure
150 °C	4 - 12	10 m/s	20 Bar

Made from ramie fiber impregnated with PTFE dispersion and special lubricant.

Can be used in rotary, reciprocating pumps, valves, pulp and paper,marine and food industry. Suitable for cold and hot water, hydrous solutions containing solids, cellulose slurry, brine , oils, greases etc.

AGT 9021

Ramie Fiber with Grease Impregnated

Temperature	pH	Speed	Pressure
110 °C	4 - 12	10 m/s	20 Bar

Ramie packing with grease is braided from cotton yarns preimpregnated with grease. The packing is then thoroughly reimpregnated after braiding process. It is flexible and resilient, easy to handle.

Suitable for centrifugal and piston pumps, established by the ships and in a conditions of life at contact to fresh water.

AGT 9043

Pure PTFE 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)

Structure : Pure PTFE yarn without any lubrication.
Physical Property : Designed for valves and lower shaft speed application under medial pressure in food processing, pharmaceuticals, paper mills, fiber plants where high purity and corrosion resistance is required.
Application: Rotary and reciprocating plant in the food processing, pharmaceutical, special chemicals, and pulp and paper sectors. It is particularly recommended for sugar and chocolate processing, and fine paper production.

GLAND PACKING

AGT 9044

Pure PTFE Packing with Special Lubrication

Temperature	pH	Speed	Pressure
-100 °C to +260 °C in steam	0 - 14	To 10 m/s	To 15 bar (rotating) To 100 bar (Reciprocating) To 180 bar (Static)

Structure : Pure PTFE yarn impregnated with special lubrication.
Physical Property: It is designed for dynamic condition. The oil can reduce the frictional factor.
Application: Recommended for all severe chemical & corrosive environment. It is compatible with all fluids except for molten alkali metals, can be used for braided valve & pump packing.

AGT 9045

PTFE Fiber Packing with Aramid Corners

Temperature	pH	Speed	Pressure
-80 °C to +280 °C	1 - 12	12 m/s	18 Bar

Structure : 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 yarns. It can be lubricated with silicones oil.
Physical Property : Combination of pure white PTFE fibre and Aramid fiber at the corner tracts to reduce extrusion and increase strength.
Application: Recommended for caustics, mild acids, difficult chemicals, air, gases, solvents, oil, general applications & ammonia carbarnate services can be used in food applications.

AGT 9046

PTFE Graphite Fiber Packing

Temperature	pH	Speed	Pressure
Max 260 °C	4 - 12	16 m/s	20 Bar

Good chemical resistant and heat resistant. Excellent self-lubricating, thermal conductive and low frictional co-efficient packing with no damage to shaft.

Suitable for corrosive fluids, organic solvents, steam, hot water, oil, rotary machine, valves, rotary pump, agitator, flange, etc..

AGT 9048

PTFE /Graphite Yarn with Aramid Corners

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)

Structure : Graphite 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 graphite PTFE yarns. It can be lubricated with silicones oil. **Physical Property** : This construction provides the strength of aramid fiber along with heat dissipating and lubricating qualities of the PTFE Graphite fiber
Application: Recommended for caustics, mild acids, difficult chemicals, air, gases, solvents, oil, general applications & ammonia carbonate services can be used in food applications.

AGT 9048 + PTFE

Tiger Packing Lubrication With PTFE

Temperature	pH	Speed	Pressure
Max 260 °C	2 - 14	20 m/s	20 Bar

Multi-yarn packing, This structure enhances the lubrication ability of aramid fiber and improves the strength of the pure PTFE. It has excellent sliding velocity and thermal conductivit. And
self-lubricous packing.

Offers the strength of aramid fibers, the thermal dissipating and low friction property of graphited PTFE. Used in reciprocating pumps,mixers, reactors and valves for petrochemical, paper and sugar industries, power stations.

GLAND PACKING

AGT 9050

Lubricated /PTFE Impregnated Carbonized Fiber Packing

Temperature	pH	Speed	Pressure
Max 200 °C	2 - 12	10 m/s	50 Bar

Made of carbonized fiber impregnated with PTFE dispersion. It is inert to almost all corrosive chemicals. When used for pumps, frictional heat is freely conducted to the stuffing box metal because of its excellent thermal conductivity, and thus no damage will be caused to the packing.

Suitable for many service likes centrifugal, reciprocating, valve applications. And exelent for Acids, Alkali, Emulsion, Solvent, Vapor and Water.

AGT 9051

PTFE Impregnated Carbonized Fiber Packing

Temperature	pH	Speed	Pressure
Max 200 °C	2 - 12	10 m/s	50 Bar

Carbonized fiber yarn is square braided, impregnated with P.T.F.E. dispersion and lubricated. Very light and self-lubricous packing.

Excellent thermal conductivity, It can be used to seal corrosive fluids except strong oxidizer acids, organic solvents, fluids where contamination is not permissible for centrifugal pumps, plunger
pumps, mixers vales, etc. Excellent for pulp & paper mill.

AGT 9052

Lubricated /PTFE Impregnated Carbon Fiber Packing

Temperature	pH	Speed	Pressure
Max 600 °C	2 - 12	20 m/s	50 - 200 Bar

It shows excellent heat resistance, chemical resistance and thermal conductivity. High friction thermal conductivity, superior heat radiation and long life by self-lubricating.

Suitable for corrosive fluids, organic solvents, steam, hot water, hydrocarbon, hot oil, valve, agitator, flange, etc.

AGT 9053

Lubricated /PTFE Impregnated Carbon Fiber Packing

Temperature	pH	Speed	Pressure
Max 600 °C	2 - 12	20 m/s	50 - 200 Bar

Carbon fiber yarn are square braided and then impregnated with PTFE dispersion high thermal conductivity and heat dissipation and long life of shaft sleeve because of self-lubricity.

Suitable for many equipments, like pulp mill equipment, steaming vessels, top separators, refiners, outlet devices, blow pumps, stock pumps, agitators and valves. And for most chemical services, except strong oxidizers.

AGT 9054

Lubricated /PTFE Impregnated Carbonized Packing

Temperature	pH	Speed	Pressure
Max 200 °C	2 - 12	10 m/s	50 Bar

Made of carbonized fiber impregnated with PTFE dispersion. It is inert to almost all corrosive chemicals. When used for pumps, frictional heat is freely conducted to the stuffing box metal because of its excellent thermal conductivity, and thus no damage will be caused to the packing.

Excellent thermal conductivity, It can be used to seal corrosive fluids except strong oxidizer acids, organic solvents, fluids where contamination is not permissible for centrifugal pumps, plunger
pumps, mixers vales, etc. Excellent for pulp & paper mill.

GLAND PACKING

AGT 9055

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)

Structure : Aramid fiber packing braided from high quality aramid and kevlar fiber with PTFE impregnated and lubricant additive. It is wear resistant but may damage the shaft is not used properly. A minimum shaft hardness of 60HRC is therefore recommended.

Physical Property : Yellow in colour, densely square braided construction.
Application: Recommended for general services, caustics, mild acids, chemicals, air, oil, gases, solvents, general chemical plant applications and high pressure application.

AGT 9060

Lubricated /PTFE Impregnated Kynol Fiber Packing

Temperature	pH	Speed	Pressure
20 °C - 300 °C	1 - 13	2 -20 m/s	20 - 200 Bar

Braided from high-performance KynolTM fiber impregnated with special PTFE lubricant, it has very good mechanical properties combining softness and strength. Many advantages are obtained, likes Thermal stability, low heat expansion, High dimensional stability and superior pressure resistance even at elevated temperature, Good process-ability, easy to cut and fit, Outstanding chemical resistance particularly in acidic media,Excellent resistance to organic solvents, oil and fuel.

Suitable for abrasive media, and where contamination is not permitted. It has multiple uses in chemical plants and pulp and paper mills, rotating and reciprocating pumps, washer journals, liquor pumps, refiners and digesters.