



Sizonke Trading

Quality Engineering Solutions & Supplies

Web www.sizonkegroup.co.za

PTFE BROCHURE 2027



PREMIUM
QUALITY



CHEMICAL
RESISTANT



ENGINEERED
EXCELLENCE



HIGH TEMP
PERFORMANCE

Website: www.sizonkegroup.co.za

VALVE TEFLON PACKING

(1101 PTFE LOCKCORD)

All-Purpose Sealing Cord, is an unsintered, pliable sealing material made from 100% pure polytetrafluoroethylene. It is designed for sealing applications, particularly in valves and stuffing boxes.

KEY FEATURES



PLIABLE AND CONFORMABLE

The unsintered form of the cord allows it to be highly flexible, easily conforming to the imperfections and irregularities of a valve's stuffing box to create a moulded, leak-proof seal.



CHEMICAL RESISTANCE

It offers high resistance to a wide range of chemicals, making it suitable for use with both acids and bases in demanding industrial applications.



VERSATILE APPLICATION

Style 1101 is used in various sealing contexts, such as on rotating shafts, reciprocating plungers, and valve stems across industries like chemical, pharmaceutical, and food processing.



SIMPLE INSTALLATION

To install, the cord is wound around the valve stem, the gland nuts are tightened, and the process is repeated until the stuffing box is full, creating a secure, sealed compound.

APPLICATIONS



CHEMICAL PLANTS



PHARMACEUTICAL MANUFACTURING



FOOD PROCESSING



OIL REFINING



POWER SUPPLY INDUSTRY'S CHEMICAL SERVICES



IMPORTANT NOTE

The term «Lockcord» refers to the cord's function of creating a secure, interlocked seal when compressed in a stuffing box. This differs from braided PTFE packing, which is pre-braided, and standard PTFE thread tape, which is for plumbing fittings and not typically for packing valves.

INSTANT PACKING



INSTANT GASKET



YMT

STYLE 1102(G) GAPSEAL® TAPE

HIGH DENSITY PTFE GAS TAPE

~ White, Yellow, Pink Tape



PHYSICAL PROPERTIES

GAPSEAL® tape is made of soft, pliable, higher density PTFE (Polytetrafluoroethylene) resins, and with its highest quality, it is easier to install and effect a seal, will not leak due to vibration or severe chemical contact. For easily recognition, it can be cream yellow and pink colored with indivisible pigment; and the white tape is 100% PTFE made of, complies with FDA 21 CFR 177.1550 (PTFE) food requirements.

GAPSEAL® tape is a non-corrosive, low coefficient of friction, odorless that stops leakage through threads. It may be used on steam, salt water, air, fuels, all acids, alkalis and solvent. It also can be used on natural gas, propane or butane and petroleum distillates.

GAPSEAL® tape is ULC (Underwriter Lab. of Canada) listed, UL listed, and certified by CSA (Canadian Standards Association), DVGW (Deutsche Vereinigung des Gas-und Wasserfaches e.V.) and JIS (Japanese Industrial Standard). It also meets MIL-T-27730A, DIN EN751-3, and BS-7786 standards.



ITS FEATURES ARE:

- LOW COEFFICIENT OF FRICTION, NO VALVE DRAG
- TEMPERATURES FROM -450°F TO +600°F
- VIRTUALLY INERT TO ALL CHEMICALS
- NON-CORROSIVE, NON-FLAMMABLE
- MOLDS EASILY, LASTS LONGER, EASIER TO INSTALL
- SELF-LUBRICATING
- MINIMUM INVENTORY REQUIRED
- NO WASTE



ABS
TYPE APPROVAL PROGRAM



AVAILABLE SIZES:

Thickness:
0.1mm

Width:
1/2", 3/4", 1",
12mm, 19mm, 25mm

Length:
260', 480', 520',
10M, 12M

Other sizes can be quoted.

APPROVAL:



MH27173



1222774



MH 45069



NG-5143BM0437



JQ/TW D102

* Remarks: UL, DVGW & JIS are the approvals for white tape only.

YMT

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YMT SEALON[®] JOINT SEALANT

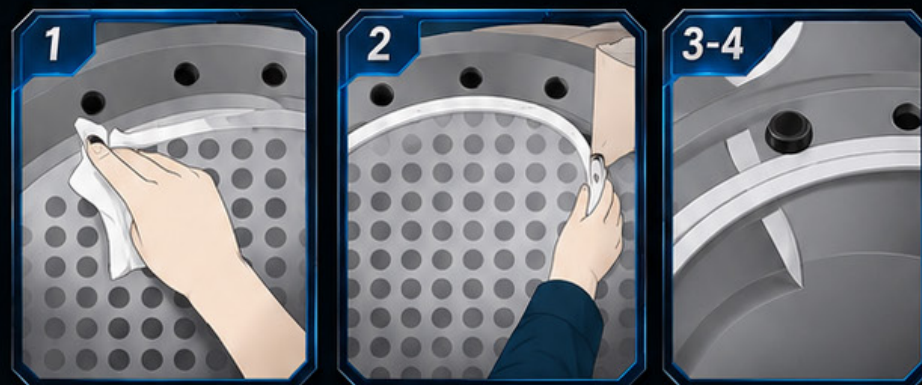
INSTALLATION

SEALON JOINT SEALANT has high tensile strength and flexible and tough properties, it has no drawback as seen in existing gaskets. Playing a sealing role firmly, easily and economically even under extremely severe corrosive conditions, SEALON JOINT SEALANT is an almighty gasket packing, oval in cross section and string shape, with superior chemical and heat resistance.

INSTALLATION

SEALON JOINT SEALANT is a soft, pliable, flexible PTFE having an adhesive back for ease of installation on vertical surfaces.

- 1 Clean flange, removing scale and other foreign materials.
- 2 Strip off the Release paper, push the adhesion surface at the center of flange surface, and stick on there in a ring shape.
- 3 Edge of it is overlapped 1 to 2cm at the bolt seat.
- 4 Fix the flange to the opponent and tighten each bolts uniformly, then it is flattened ribbon-like to 1.5 times width and the overlapped part is closely in contact.

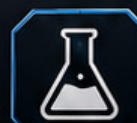


SEALON[®]

JOINT SEALANT



HIGH TENSILE STRENGTH



SUPERIOR CHEMICAL RESISTANCE



HIGH HEAT RESISTANCE



FLEXIBLE & TOUGH

SEALON[®] is a registered trademark of YMT

YEU MING TAI CHEMICAL INDUSTRIAL CO., LTD.

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MADE IN TAIWAN

YMT SEALON[®] GASKET SHEET

100% EXPANDED PTFE

SEALON Gasket Sheet is made of 100% expanded PTFE by using special process that produces a uniform and highly fibrillated microstructure with a great lot of fibers running in multidirectional. Soft Sheet has excellent resistance of pressing, creep relaxation and cold flow, it can seal the uneven and damaged flanges.

It is an ideal gasket material for all types of flanges and fluids.



FEATURES

- ✓ 100% Pure PTFE
- ✓ Good sealability
- ✓ Good flexibility
- ✓ Highly compressible
- ✓ Uniform and highly fibrillated microstructure in multidirectional
- ✓ Resistant to creep and cold flow.
- ✓ Less creep and re-torquing
- ✓ Unaffected by common chemicals, pH range 0-14
- ✓ Non-contaminating, non-toxic.
- ✓ Using temperature from -450°F to +500 °F for short time up to +600 °F
- ✓ Low compressive load to seal
- ✓ Can seal rough or damaged flanges.



REMARKS

Compatible fluids: Corrosive fluid, acid, alkali, solvent, waste liquid and oils.
Non-compatible fluids: Melted alkali metal, fluorine at liquid and gas states.



APPLICATIONS

Can be used in virtually many types of sealing applications throughout industry including:

- ✓ Chemical manufacturing
- ✓ Food equipment manufacturing
- ✓ Pharmaceutical plants
- ✓ Petrochemical production
- ✓ Steel manufacturing
- ✓ Distilling
- ✓ Food and beverage
- ✓ Pulp and paper processing
- ✓ Power generation
- ✓ Marine



TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	VALUE
Sealability Leakage 60 psig/4 bar-Nitrogen Gas	(ASTM F-37-B)	0.16
Compressibility	(ASTM F-36)	66
Creep Relaxation	(ASTM F-38)	38
Recovery	(ASTM F-36)	16

* The test results in accordance with ASTM are based on 0.8mm (1/32") sheet thickness.



AVAILABLE SIZES

SIZE	THICKNESS FOR SOFT
Metric size: 1500mm X 1500mm English size: 60" X 60"	• 0.5mm • 1.0mm • 1.5mm (=1/16")
Metric size: 2000mm X 2000mm English size: 80" X 80"	• 2.0mm • 3.0mm (=1/8") • 4.0mm • 5.0mm • 6.0mm (=1/4")



100% PURE PTFE



EXCELLENT CHEMICAL



HIGH COMPRESSIBILITY



WIDE TEMPERATURE



SEALON



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