



Comparison of pastes and other sealing materials

Product name

Features

Applications

Color

Service range

Coverage

Package

Paste and other sealing materials

TOMBO No.

9105

Aqua-tight™ Paste



This gasket paste is suitable for a water-type fluid. It consists of fine mica powder blended with a special oil-soluble binder.

Water-type fluids such as water, steam, hot water, seawater, acids, alkalis, and saline solutions

Cream

-200°C - 200°C

Approx. 200g/m²(12.5m²/can)

2.5kg polyethylene container

TOMBO No.

9106

Oil-tight™ Paste



This gasket paste is suitable for use with oil-type fluids. It consists of fine mica powder blended with a water-soluble binder which is highly resistant to oil and solvents.

Petroleum-based oil, oil gas, solvents, solvent vapor, animal and mineral oil, hydrocarbon-based fluids, exhaust gas, etc.

Cream

-200°C - 900°C

Approx. 300g/m²(8.3m²/can)

2.5kg polyethylene container

TOMBO No.

9400

NAFLON™ paste



- This gasket paste, which is inert at normal temperature, consists of a colloidal suspension of fluoro-resin particles dispersed in water.
- This versatile paste has excellent chemical resistance, and can be used for acidic fluids and corrosive fluids.

* Naflon™ paste is the most suitable paste for PTFE type gaskets.

Various water-type fluids, various oil-type fluids, acidic fluids, corrosive fluids, and vacuum seals.

White

~ 260°C

Approx. 50g/m²(2m²/tube)

65cc (approx. 100g) tube
700cc (approx. 1kg) polyethylene container

⚠ Precautions for using gasket paste

- Gasket paste is intended to assist the sealing function of a gasket. It is not intended to be used on its own. Be sure to use it by applying it to a gasket.
- Before using gasket paste that comes in a container, agitate it thoroughly.
- Spread gasket paste thinly and apply it using a brush, shop towel, etc. If you apply too much paste, the gasket may become damaged.
- When using gasket paste for the purpose of improving the gas sealing performance of a joint sheet, apply the gasket paste to the I.D. side in order to prevent gas leakage due to penetration.
- Set the gasket on the flange before the gasket paste has completely dried.
- After use, close the container securely and store in a cool and dark location.
- There is a possibility of elution of a minute quantity of paste particles. Do not use gasket paste in applications such as foodstuff where even a minute quantity of elution is not tolerated.

■ Guide to the suitability of gasket paste

Product	TOMBO No. (example)	Gas	Liquid	Applicable paste (TOMBO No.)
Joint sheet	1120	○	×	9105
	1995	○	×	9106 9400
Fluoro-resin gasket	1133	○	×	9400
GRASEAL™ gasket	1200 series	▲	▲	—
Vortex™ gasket	1834-GR series	×	×	—
	1834R-NA series	×	×	—

○ Recommended.

▲ When high gas sealing performance is required, use TOMBO No.1215-T.

× Paste is not required. (However, it can be used.)

* On a gasket using expanded graphite, if paste containing metal, such as Never-Seez, is used at high temperature, the expanded graphite may be lost by oxidation due to the catalytic action of the paste components.

TOMBO No.

9401

Fluorine grease



This type of grease consists of fluorine resin oil to which chemically inert highly heat resistant fine powder macromolecular material has been added.

Oxygen, corrosive fluids, vacuum seal

White

~ 150°C

Approx. 50g/m² (1m²/tube)

50g tube

TOMBO No.

9082/9082-BL

NAFLON™ sealing tape



- This product consists of unsintered PTFE that is extruded by an extruder and rolled into the form of tape.
- It is very soft, so it enables a seal of a complicated shape to be easily made. It does not contaminate the fluid, can be removed easily, and has excellent workability.

* When using this tape on a screw coupling, be sure to use it on a tapered thread.

Screw coupling for various fluids other than combustible gases and toxic gases

* Do not use this seal tape for combustible gases or toxic gases.

Standard dimensions

Thickness 0.1mm

Width 13mm

Length 5m / 15m

This tape is wound on a plastic reel. It comes in a box containing 10rolls.

Lineup

TOMBO No.9082

Apparent density[g/cm³] 1.0 or more, but less than 1.4

Tensile strength[N/mm²] 6.9 ~ 15.7

TOMBO No.9082-BL

Apparent density[g/cm³] 0.75 or more, but less than 1.15

Tensile strength[N/mm²] 4.9 ~ 12.7

Application standard

■ JIS K 6885

"Unsintered Polytetrafluoroethylene Tapes for Thread Sealing"
(TOMBO No.9082)

TOMBO No.

1600

META-COAT™



- This gasket consists of a thin metal sheet that is lightly coated on both sides with rubber, and surface-treated with graphite.
- It has good thickness and dimensional accuracy, and there is no substantial leakage.
- The amount of stress reduction is small, so there is no need to perform additional tightening.

Gaskets and sealing washers for hydraulic equipment, pneumatic equipment, equipment related to automobiles, and compressors for chillers

Maximum service temperature

~180°C

Features

Applications

Paste and other sealing materials