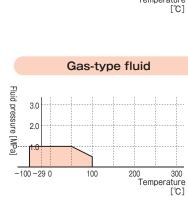
NAFLON[™] PTFE cut gasket Conforms to the Standards and criteria for food and food additives, etc. (3-D-2, Public Notice No. 370 of the Ministry of Health & Welfare, 1959) stipulated by the Food Sanitation Act U roduct name This is a pure PTFE sheet, so it is suitable for use with fluids that are not permitted to become contaminated. Features This gasket is resistant to virtu-ally all conceivable chemicals, but cannot be used at a tem-perature of 100°C or higher because deformation due to creep becomes large. Main constituents: PTFE *Compared to a gasket that contains a filler. this gasket is liable to creep. Use it with a grooved flange (T&G) as a general rule. Service Water-type, oil-type or corrosive fluids Fluid pressure [MPa] 4.0 range 3.0 2.0 -100 - 29 0 100

TOMBO No.

9007

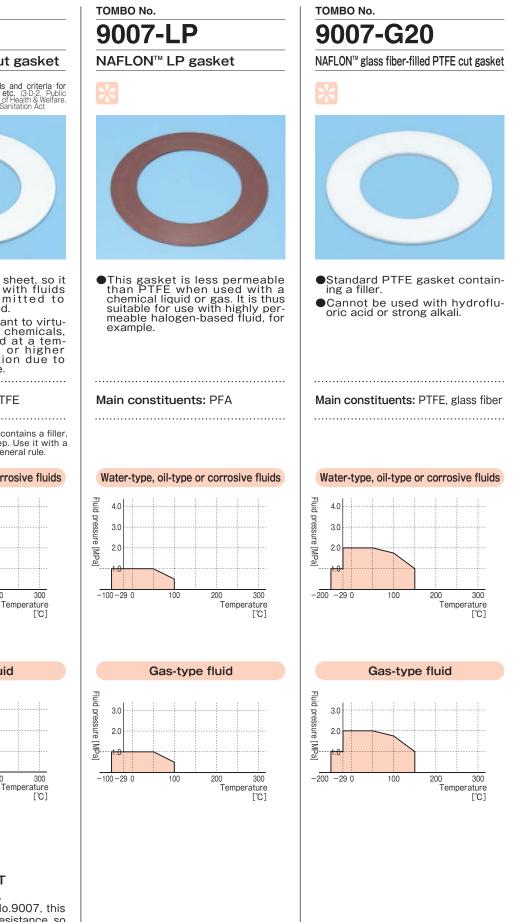




200

TOMBO No.9007-ST

Denatured PTFE gasket. Compared to TOMBO No.9007, this gasket has high creep resistance, so it can be used up to 150℃.





Design criteria

TOMBO No.		1133	9007-SC	9007-LC	9007-GL	9007-FD	9096-SGM	9007	9007-LP	9007-G20
Gasket coefficient m []	1.0 t	3.50	—	3.50	—	—	2.50	3.50	—	3.50
	1.5 t	2.75	3.20	3.20	—	—	2.50	3.20	—	3.20
	2.0 t	2.75	3.00	3.00	—	—	2.50	3.00	3.00	3.00
	3.0 t	2.00	2.50	2.50	2.50	2.50	2.50	2.50	—	2.50
Minimum design seating stress y [N/mm2]	1.0 t	44.8	—	24.5	—		19.6	24.5	_	24.5
	1.5 t	25.5	22.5	22.5	—	—	19.6	22.5	—	22.5
	2.0 t	25.5	19.6	19.6	—	—	19.6	19.6	19.6	19.6
	3.0 t	11.0	19.6	19.6	19.6	19.6	19.6	19.6	—	19.6
winning searing	Water-type or oil-type fluid	14.7	14.7	14.7	14.7	14.7	19.6	10.8	14.7	12.7
	Gas-type fluid	d 34.3	29.4	24.5	14.7	_	39.2	19.6*1	14.7	24.5 ^{*1}
								14.7*2		19.6 ^{*2}
Allowable seating stress [N/mm ²]		150.0	58.8	49.0	39.2	39.2	117.6 ^{*3}	39.2	29.4	49.0

*1 : Minimum seating stress for a thickness of 1.0t or 1.5t.

*2 : Minimum seating stress for a thickness of 2.0t or 3.0t.
*3 : The allowable seating stress for a thickness of 2.0t or 3.0t is 78.4N/mm².

Standard dimensions

TOMBO No.		1133	9007-SC	9007-LC	9007-GL	9007-FD	9096-SGM	9007	9007-LP	9007-G20
Maximum O.D. [mm]	1.0 t	¢610	—	φ1200	_	_	¢1380	¢1200	φ277	¢1200
	1.5 t	φ1250	φ1200							
	2.0 t									
	3.0 t	Ø1430	ø 1200	Ø1430	φ600	¢1220				
Standard thickness	1.0 t		—		—	_			—	•
	1.5 t				—	_			—	•
	2.0 t				—	_				
	3.0 t		•		•			•	—	

* Gaskets indicated by the vellow areas /// in the drawing can be made larger than that indicated by employing welding.

Basic physical properties

TOMBO N	1133	9007-SC	9007-LC	9007-GL	9007-FD	9007	9007-LP	
Thickness	[mm]	1.5	1.5	1.5	3.0	3.0	1.5	2.0
Specific gravity	[g/cm ³]	2.74	2.06	2.30	1.94	1.62	2.18	2.18
Tensile strength	[N/mm ²]	18	24	18	22	17	34	28
Compression ratio [%]	- 34.3MPa	5	4	5	7	10	20	9
Recovery [%]		47	67	55	73	57	48	78
Otrace relevation ratio [0/]	100℃ × 22h	27	56	50	62	71	73	65
Stress relaxation ratio [%]	200℃ × 22h	59	79	74	87	90	_	_

* The above values are measured values. They are not standard values.

Precautions for fluororesin products

Precautions concerning design and selection

Finish of the gasket seat

The recommended gasket seat when using a fluororesin gasket is as follows.

- For sealing liquid: 6.3 μ m Ra
- · For sealing gas: 3.2 μ m Ra

Precautions for use

- Fluids for which a fluororesin gasket is not suitable.
 - · Do not use a PTFE gasket with molten alkali metal, high-temperature fluorine, chlorine trifluoride or other fluid that corrodes PTFE.
 - · When a fluororesin gasket is used with a monomer-based fluid, the fluid may permeate into the gasket, resulting in polymerization. In such a case, it is recommended that you either replace the gasket at shorter intervals, or use a vortex[™] gasket.

Gas-type fluid

· When using a fluororesin gasket to seal gas, use TOMBO No.9400 (NAFLON[™] paste) together in order to improve the sealing performance.