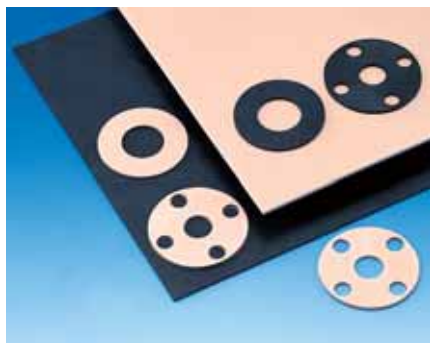


These are sheet gaskets made of VALFLON (PTFE) with excellent chemical resistant and non-stick properties. (VALFLON is a registered trademark in Japan for its fluorocarbon resin products of NIPPON VALQUA.)

VALQUALON Gasket / Black VALQUALON Gasket



VALQUA No. 7020 (食)

Features	In order to improve the cold flow (creep phenomenon), which is a weakness of PTFE, inorganic filler material is mixed into these gaskets. Provided with heat resistance, chemicals resistance, and anti-cold flow property, they are suited for lines handling various chemicals (high concentrated hot sulfuric acid, hot nitric acid, etc.).
Unsuitable fluids	Highly concentrated alkali such as sodium hydroxide, hydrofluoric acid, polymerizable monomer, etc.
Main component	PTFE, silica
Color	Beige

VALQUA No. 7026 (食)

Features	Similar to other companion products, No.7020, No.7026 gaskets have excellent heat resistance, chemicals resistance, and anti-cold flow properties, so that they are suited for lines handling various chemicals.
Unsuitable fluids	Oxidizing acids such as highly concentrated hot sulfuric acid and hot nitric acid, polymerizable monomer, etc.
Main component	PTFE, carbon
Color	Black

New VALFLON Gasket / VALFLON Gasket



▲No.7010

VALQUA No. 7010-EX (食)

Features	No.7010-EX gaskets are made of "NEW VALFLON" material that has improved creep phenomenon, while maintaining the PTFE's excellent heat resistance, chemicals resistance, and non-stick properties. Thus, they have a long service life for heat cycles, contributing to extending the operating life of gaskets.
Unsuitable fluids	Polymerizable monomer, etc.
Main component	PTFE
Color	White

VALQUA No. 7010 (食)

Features	These gaskets are made by punching virgin PTFE sheet. As these gaskets are liable to cause cold flow, the gaskets should be installed in grooves or tongue and groove flanges in principle.
Main component	PTFE
Color	White

VALFON Soft Sheet



VALQUA No. 7GP61 (Sheet) / 7GP66 (Gasket)

VALQUA No. 7GP61S (Sheet) / 7GP66S (Gasket) (食)

Features	These highly flexible sheets have a specially made mesh construction, while taking advantage of the PTFE's excellent chemicals resistance and heat resistance properties.
Main component	PTFE
Color	White

Design data

Allowable ranges

VALQUA No.	Temperature (°C)	Pressure (MPa)
7020 7026	−200~200	4.0
7010 ⁽¹⁾ 7010-EX	−50~100 −50~150	1.0
7GP66/7GP66S	−240~260	2.0

Note(1) For No.7010, grooved flanges should be used in principle.
Remark Temperature and pressure show individual service limits.

Dimensions

VALQUA No.	Nominal thickness (mm)	Size (mm)
7020	1.0, 1.5	1000×1000
	2.0, 3.0	1270×1270
7026	1.5, 2.0, 3.0	1270×1270
7010	1.0, 1.5, 2.0, 3.0	Max. OD 1300
7010-EX	1.5, 3.0	Max. OD 1100
7GP61/7GP61S	0.5, 1.0, 1.5	1500×1500
7GP66/7GP66S	2.0, 3.0	Max. OD 1450

Design Criteria

VALQUA No.	Thickness (mm)	Gasket factor“m”	Minimum design seating stress “y” (N/mm ²)	Recommended tightening stress (MPa) ⁽¹⁾	
				Liquid	Gas
7020 7026	1.0	3.5	24.5	20.0	24.5
	1.5	3.2	22.5		
	2.0	3.0	19.6		
	3.0	2.5			
7010 ⁽²⁾ 7010-EX	1.0, 1.5	3.0	19.6	10.0	15.0
	2.0	2.5	14.7		
	3.0	2.0			
7GP66/7GP66S	0.5~3.0	2.5	19.6	20.0	24.5

Notes (1) The recommended tightening stress is the pressure required under standard conditions without consideration to the endforce due to internal fluid. It is the stress on the contact area of the gasket.
(2) For No.7010, grooved flanges should be used in principle.

Remark The m, y values of VALFLON Gaskets are the same as those of fluororesin gaskets specified in JIS B 2206. However, the values listed for No. 7010, No. 7010-EX, No. 7GP66 and No. 7GP66S are our recommendations.

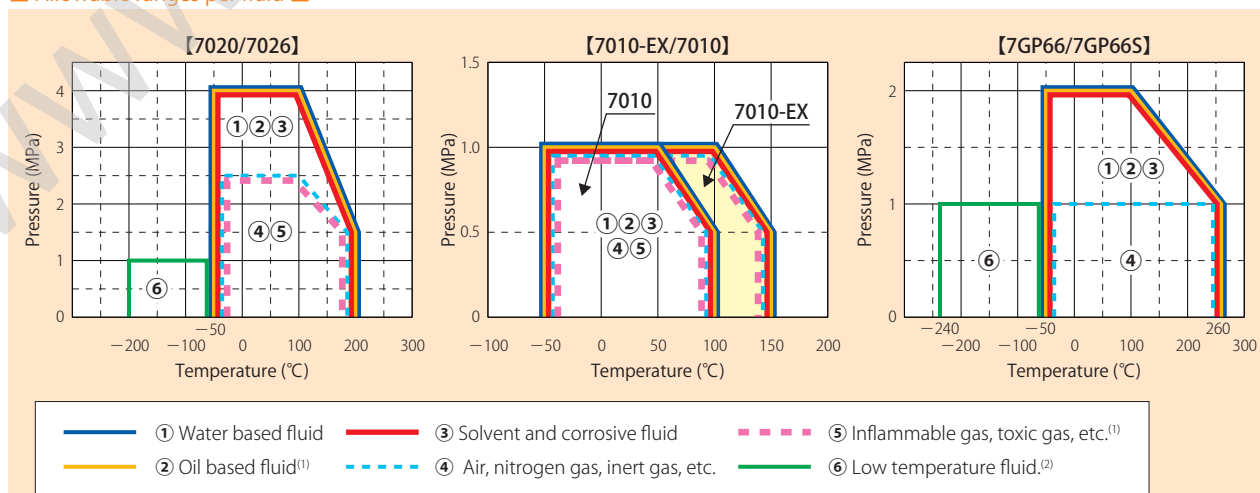
Characteristic Values of VALFLON Gaskets

Items		7020		7026		7010-EX		7010		7GP66		Remark
Thickness (mm)		1.5	3.0	1.5	3.0	1.5	3.0	1.5	3.0	1.5	3.0	—
Tensile strength (MPa)		15.6	15.8	24.2	23.2	26.4	24.2	30.2	27.3	24.0	18.4	JIS R 3453
Compressibility (34.3MPa)		4	5	4	5	20	12	19	12	69	71	
Recovery (34.3MPa)		69	54	67	63	63	48	51	64	15	16	
Density (kg/m³)		2330	2300	2070	2070	2210	2200	2170	2180	620	670	—
Creep relaxation (20.6MPa)(%)	100℃×22h	37.2	55.0	42.8	60.8	63.7	79.6	75.9	88.4	51.9	68.3	JIS R 3453
	200℃×22h	66.7	81.0	79.3	85.5	86.0	90.8	92.4	97.3	59.3	75.3	
Sealability ⁽¹⁾ (Pa・m³/s)Without paste		1.7×10 ⁻⁴ or below		1.7×10 ⁻⁴ or below		1.7×10 ⁻⁴ or below		1.7×10 ⁻⁴ or below		2.8×10 ⁻⁴		—

Note (1) Sealability test criteria: JIS 10K50A, Internal pressure He 1.0MPa, Tightening stress 25.5Mpa, Thickness 1.5mm

Remark The above values are measurements, and not regulatory values.

Allowable ranges per fluid



Notes (1) Application of 7GP66 or 7GP66S to inflammable gas or toxic gas is not recommended.

(2) Application of 7010-EX or 7010 to low temperature fluids is not recommended.