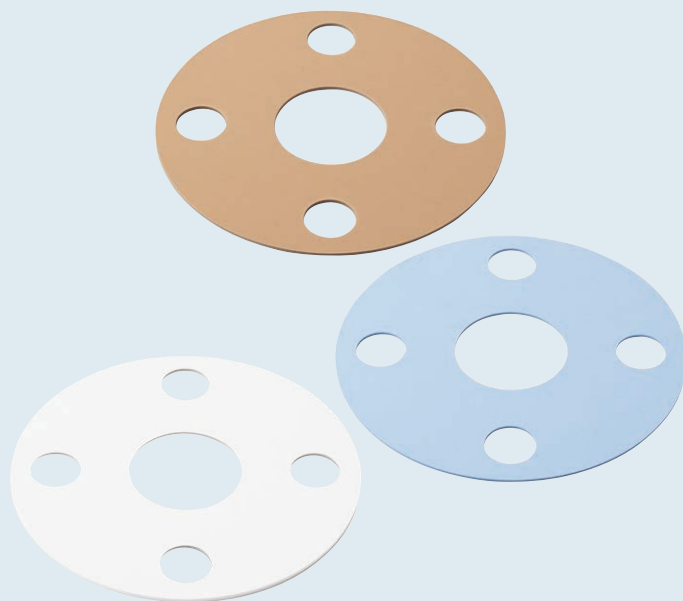




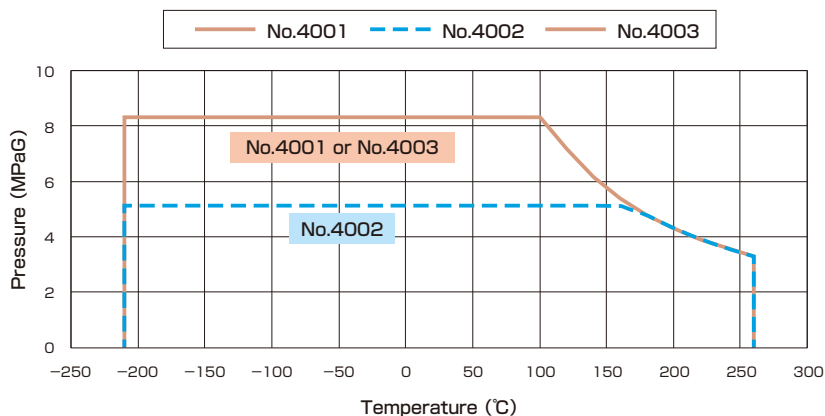
Low-creep PTFE insulation gasket with excellent corrosion resistance and heat resistance



Gasket overview

Product number		No.4001	No.4002	No.4003
Color		Orange	Light blue	White
Filler		Silica-based filler	Special glass-based filler	Barium-based filler
Features		Low-creep, excellent acid resistance	Significant compression characteristics	Low-creep, excellent alkali resistance
Service guide		This product is an economical general-purpose soft cut gasket that can be used for any applications other than those involving strong alkaline solutions. It is resistant to strong acid, hydrocarbon, water, vapor, etc.	This product is suitable for tubes that require highly deformable gaskets, that do not have a good surface finish, and that require low tightening conditions (such as tubes with glass lining). It is unsuitable for strong alkaline solutions exceeding 80°C.	This product is resistant to strong alkali and oxygen, and conforms to the US FDA standards. It can be applied to a wide range of fluids (such as chlorine, gas, hydrocarbon, water, and steam).
Applicable markets		Oil/petrochemical, mining, and general industries	Chemical, pulp, and paper making industries	Soda, pulp/paper making (such as digesters), oil/petrochemical, chemical, and food industries
Compliance with food applications		Ministry of Health and Welfare Notification No. 370	Ministry of Health and Welfare Notification No. 370	Ministry of Health and Welfare Notification No. 370 FDA standards
Applications		General use, strong acid	Lined flanges and other applications requiring low tightening conditions, and alternative products for PTFE envelope gaskets	Strong alkali , oxygen, and food
Scope of application	Pressure (P) MPaG	8.3	5.1	8.3
	Temperature (T) °C	-210 to +260	-210 to +260	-210 to +260
	P×T MPaG×°C	860	860	860
	pH	0 to 14	0 to 14	0 to 14
Gasket factor ("m" value)*1		2.5	2.5	2.5
Minimum design seating stress ("y" value)*1		19.6	19.6	19.6

*1 The gasket factor ("m" value) and minimum design seating stress ("y" value) indicate the values that are applicable when the gasket thickness is 3.0 mm.



Low-creep PTFE Sheet Gasket

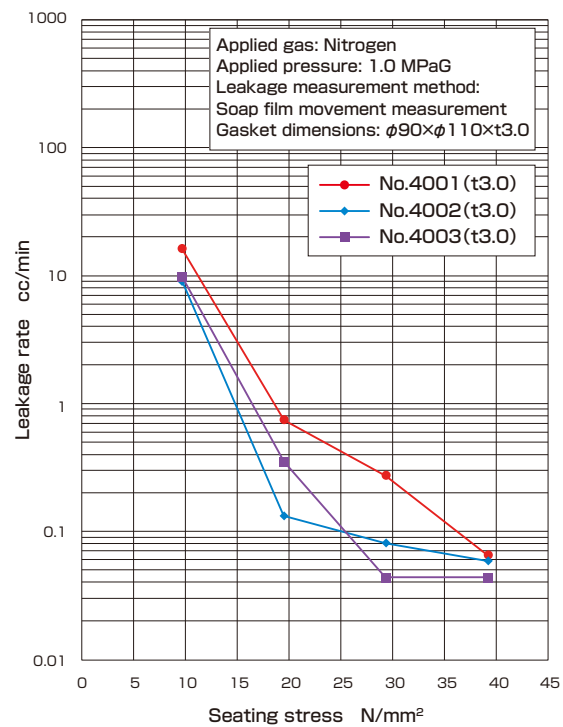
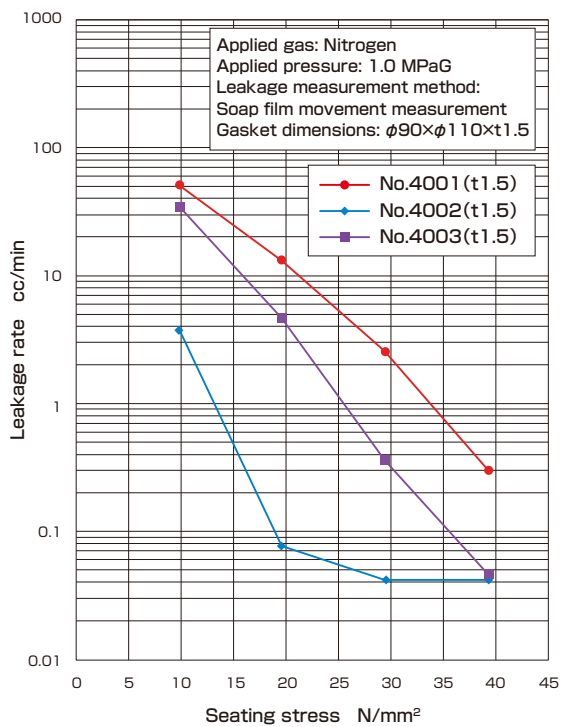
■ Dimensions

Product number	Thickness mm	Width mm	Length mm
No.4001	1.5, 2.0, 3.0	1500	1500
No.4002			
No.4003			

■ Physical property values

Physical property	Density g/cm ³	Compressibility %	Recovery %	Tensile strength MPa
Testing method	ASTM D792	ASTM F36	ASTM F36	ASTM 152
No.4001	2.16 to 2.32	4 to 10	40	14.0
No.4002	1.45 to 1.65	25 to 40	30	11.5
No.4003	2.80 to 2.95	3 to 9	35	14.0

■ Sealing performance



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Safety precaution

● When using this product, please use correctly and pay sufficient attention to safety.

* Please understand that this catalog may change without prior notice.
* The values shown on this catalog are reference values, not guaranteed values.

PPLC2248-1/CAT.No.233006