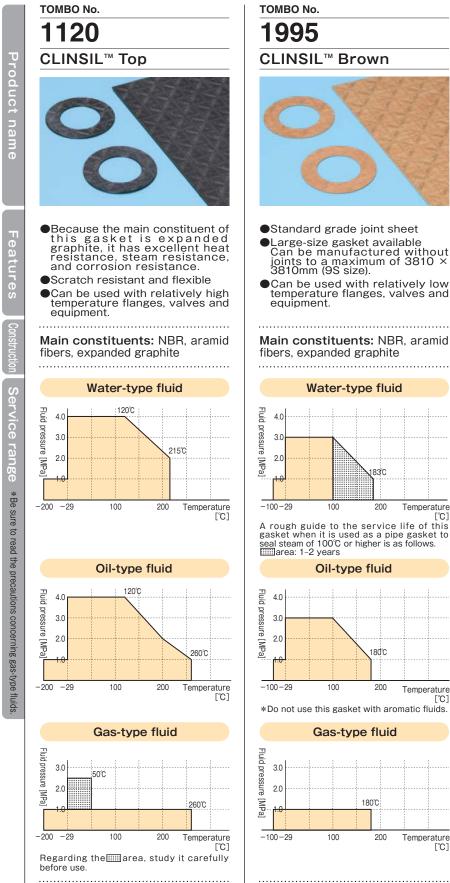
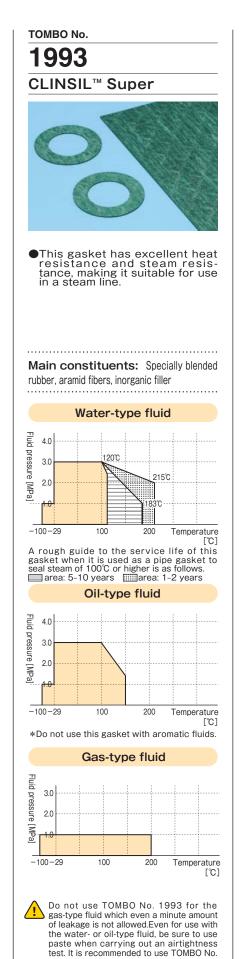
Comparison of joint sheets



TOMBO No. 1995-W **CLINSIL[™] White**

This is a white joint sheet that has the same performance as the TOMBO No.1995.



1133 or TOMBO No. 1120 instead.

Joint sheets

TOMBO No.1120-LN

This gasket is intended for use with

low-temperature fluids, such as LNG. It is the TOMBO No.1120

which has been specially treated.

Design criteria

TOMBO No.			1120	1995	1993		
Gasket coefficient m []		0.8 t	3.50				
		1.5 t	2.75				
		3.0 t	2.00				
Minimum design seating stress y [N/mm ²]		0.8 t	44.8				
		1.5 t	25.5				
		3.0 t	11.0				
		Water-type and oil-type fluids	14.7				
		Gas-type fluids	34.3 *1				
Allowable seating stress [N/mm ²]	Without paste	0.8 t	294.2				
		1.5 t	196.1				
		3.0 t	98.0	147.1			
	With paste	0.8 t					
		1.5 t	68.6 *2				
		3.0 t					

*1 : Use of gaskets with thickness of 3.0t for gas-type fluid is not recommended. *2 : 58.8N/mm² when anti-corrosion paste is used.

Standard dimensions

TOMBO No. 1120 1993 1991-NF 1938 1995 0.4 t 0.5 t 0.8 t **1S** (1270×1270mm) 1.0 t 1.5 t 2.0 t 3.0 t 0.4 t 0.5 t 0.8 t **3S** (1270×3810mm) 1.0 t 1.5 t 2.0 t 3.0 t 0.8t 1.0 t 6S (2540×3810mm) 1.5 t 2.0 t 3.0 t 0.8 t 1.0 t — — — — 1.5 t **9S** (3810×3810mm) 2.0 t ____ — — — 3.0 t Weight [kg] per sheet of thickness 1.5t and 1S size (reference) 3.63 4.35 4.23 4.35 3.75

*The above are standard dimensions. We can also manufacture some sheets that are not marked . For details, please contact us.

Basic physical properties

TOMBO No.			1120	1995	1993	1991-NF	1938
Sample thickness [mm]			1.5	1.5	1.5	1.0	1.5
Tensile strength [N/mm ²]		27.5	24.1	14.7	26.2	21.6	
Compression ratio [%]		34.3N/mm ²	9	7	7	6	7
Recovery	[%]	34.31\/11111-	70	65	52	67	55
Oil resistance	IRM903 oil 150℃×5h	Thickness increase ratio [%]	2	3	24	1	1
		Tensile strength reduction ratio [%]	11	23	33	-1	0
	IRM903 oil 40℃×48h	Thickness increase ratio [%]	_	4	_	1	_
		Tensile strength reduction ratio [%]	_	4	_	6	_
		Compression ratio [%]	_	6	_	6	
		Recovery [%]	—	64	—	73	—
Resistance to fuel oil	ASTM Fuel B (JIS fuel oil B) R.T.×5h	Thickness increase ratio [%]	2	4	18	3	3
		Mass increase ratio [%]	1	6	17	5	4
Stress relaxation ratio [%] 100°C×22h		100℃×22h	25	28	20	15	26
Density [g/cm ³]		1.53	1.84	1.71	1.62	1.80	

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