

# TH3200

## High-Performance Line Compressed Non-Asbestos Joint Sheet & Sheet Gasket

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### Characteristic

High quality non-asbestos fiber and excellent heat/oil resistant rubber are compounded and calendered into a gasket sheet with superior chemical resistance. Especially it shows a good sealing performance under hot oil, oil gas, etc. Non sticking properties at flange surface after gasket use by Graphite surface treatment.

고품질의 비석면 섬유와 내유성 및 내열성이 뛰어난 고무를 사용했기 때문에 우수한 화학적 안정성을 가진 압축비석면판이다. 특히 고온의 열유, 유가스 등의 기름에서 우수한 밀봉성을 발휘하고 표면에 Graphite 처리를 함으로써 플랜지면과의 고착성을 억제한 제품이다.

Size	Thickness(mm)	0.5 ~ 3.2
	Sheet(mm)	1500 x 1000 / 1500 x 1500 1500 x 2000 / 1500 x 4000

\* Other Sizes can be available, If required.

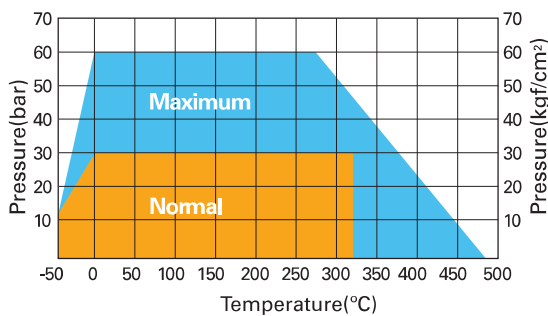
### Application

Short-term peak Temp.	480°C [ 896°F ]
Short-term peak Pressure	60kgf/cm <sup>2</sup> [ 5.88 MPa ]

#### Applied Fluids

Oil, Water, Fuels, Hot oils, Steam, Salt solution, Mild acids and alkalis

### Pressure/Temperature Operating Guidelines



\* Not available with maximum temp. & pressure at the same time.  
\* Maximum shows short term peak temp. & pressure.

### Typical Physical Properties

Test Method	Description	TH3200
	Density[g/cm <sup>3</sup> ]	1.5~1.7
ASTM F152	Tensile strength	
	Across grain. MPa(kgf/mm <sup>2</sup> )	13.7(1.4)
ASTM F36J	Compressibility[%]	7~17
	Recovery[%]	40% Min
ASTM F146	Fluid Resistance after 5hrs immersions	
	ASTM #3 Oil (150°C)	
	- Thickness Increase[%]	10% Max
	- Tensile Loss[%]	30% Max
	ASTM Fuel B (20~30°C)	
	- Thickness Increase[%]	15% Max
	- Weight Increase[%]	15% Max
ASTM A147	Flexibility	No Crack
ASTM F495	Ignition Loss[%] 850°C(1123°F) x 30min	38% Max

\* All data are typical values

### Design Data

Thickness(mm)	Gasket Factor(m)	Min. Design Seating Stress(y) kgf/cm <sup>2</sup> (psi)
3.2	2.00	112(1600)
1.6	2.75	260(3700)
0.8	3.50	457(6500)

**Note:** Water type fluids : For steam line, spiral wound gasket or graphite sheet gasket is recommended.