

TH3600W

High-Performance Line Wire Reinforced Compressed Non-Asbestos Joint Sheet & Sheet Gasket

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Characteristic

This is high quality asbestos free gasket material with stainless steel wire-mesh inserted to be suitable for high temperature and high pressure manufactured by the hot calender process using high quality Non-Asbestos Carbon Fiber, Oil and Heat-resistant Rubber. Suitable for high temperature turbines, turbochargers, hot dry gas applications.

고품질의 비석면 섬유와 내유성 및 내열성이 뛰어난 고무를 사용하여 시트내부에 스테인레스 금망을 넣어 만든 고온, 고압에 우수한 금망입 비석면 제품이다.

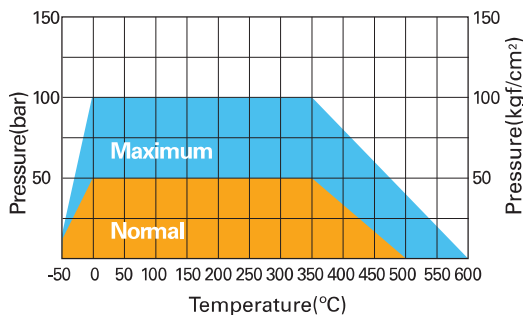
Size	Thickness(mm)	1.0 ~ 3.2
	Sheet(mm)	1500 x 1000 / 1500 x 1500 1500 x 2000 / 1500 x 4000

* Other Sizes can be available, If required.

Application

Short-term peak Temp.	600°C [1112°F]
Short-term peak Pressure	100kgf/cm ² [9.8 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	TH3600W
	Density[g/cm ³]	1.7~1.8
ASTM F152	Tensile strength	
	Across grain. MPa(kgf/mm ²)	17.7(1.8)
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 F146	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	30% Max

* All data are typical values

Design Data

Thickness(mm)	Gasket Factor(m)	Min. Design Seating Stress(y) kgf/cm ² (psi)
3.2	2.00	112(1600)
1.6	2.75	260(3700)

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