Aramid Fiber+NBR+Wire Reinforced

JIC 6000W

Industrial Applications

[Characteristic]

This 6000W is an excellent quality Non-Asbestos gasket material (same compounds of JIC-6000) with stainless steel wire-mesh inserted to be suitable for exhaust Line under high temperature and high pressure (Aramid Fiber + NBR Binder).

—

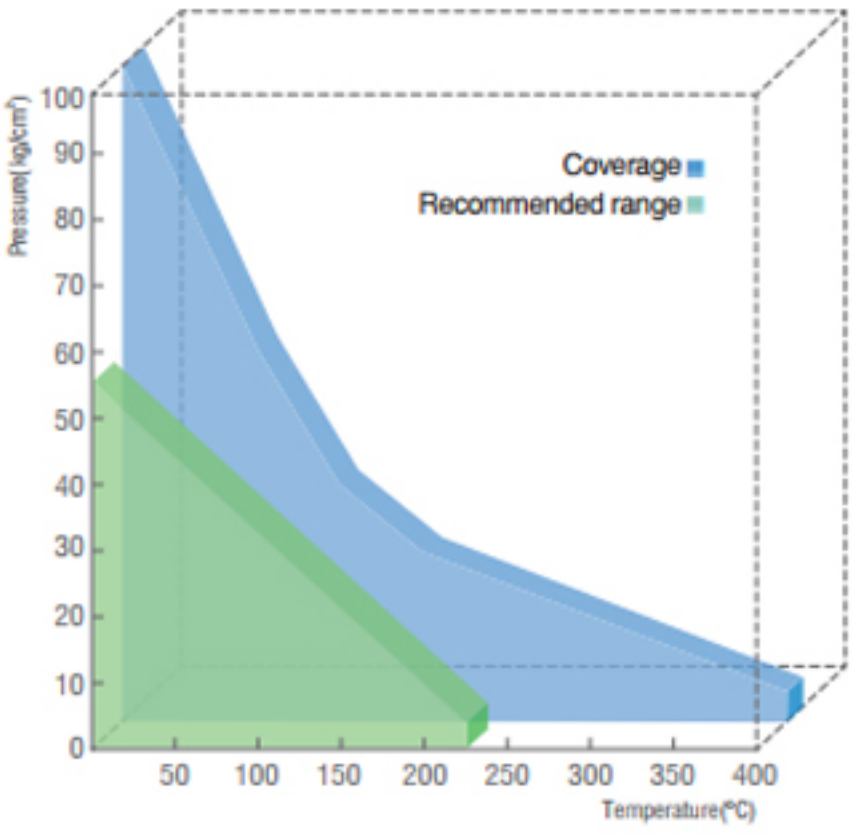
내열성이 우수한 고품질의 보강섬유(Aramid Fiber)와 기름에 안정적인 NBR고무를 사용했으며, 시트 내부에 스테인레스 금망을 넣어 보강한 시트로서 고온, 고압에 우수한 성능을 발휘하고 Exhaust Line에 적합한 제품.

[Application]

Short-term peak Temp.	400°C [752°F]
Short-term peak Pressure	100kgf/cm^2 [9.8 MPa]

Applied Fluids : Suitable for Water, Hot Oil, Oil Gas Alkali, Salt Solutions, Solvents, Etc. Not be Used in Steam, Strong Acid and Alkali, Soluble Chemicals.

[Service Range]



•Maximum Temp. & Pressure combinations can not be used at the same time.

[Size]

Thickness(mm)	1.0 ~ 3.2
Sheet(mm)	1524×3100

•Other Sizes can be available, if required.
•One or both sides Graphite & PTFE coating available, if required.

[Typical Physical Properties]

Test Method	Description	JIC 6000W
	Density [g/cm^3]	1.7
ASTM F152	Tensile strength Across grain.MPa (kgf/mm^2)	17.7 (1.8)
ASTM F36J	Compressibility [%]	9
	Recovery [%]	53
ASTM F146	Fluid Resistance after 5hrs immersions	
	ASTM #3 oil (150°C) Thickness Increase [%] Tensile Loss [%]	5 21
	ASTM Fuel B (20~30°C) Thickness Increase [%] Weight Increase [%]	3 11
ASTM F147	Flexibility	No Crack
ASTM F495	Ignition Loss [%]	25
	850°C(1123°F) x 30min	

•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)
0.8	3.50	457 (6500)

Note
Water type fluids : For steam line, spiral wound gasket or graphite sheet gasket is recommended.
Oil type fluids : For organic solvents, use below 150°C
Gas type fluids : Do not use for toxic & explosive gas line
•If properties out of guideline needed, Please contact our Technical Team.