Aramid Fiber+NBR

JIC 6000

Industrial Applications

[Characteristic]

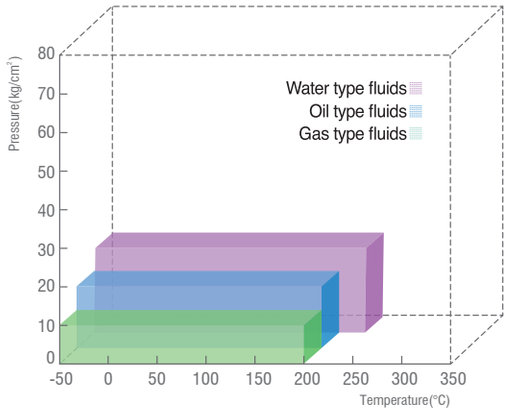
JIC-6000 is manufactured by the hot calender process using high quality Non-Asbestos fiber (Aramid Fiber) and oil resistant synthetic rubber (NBR). Specially, this sheet has superior sealing performance with excellent oil resistance.

내열성이 우수한 고품질의 보강섬유(Aramid Fiber)와 내유성 고무(NBR)를 사용하여 특히 기름에 안정적이며 우수한 밀봉성을 발휘하는 범용시트.

[Application]

Short-term peak Temp.	350°C [662°F]
Maximum continuous Temp.	220°C [428°F]
Short-term peak Pressure	80kgf/cm^2 [7.85 MPa]
Applied Fluids : Water, Alkali, Salt Solution, Hot Oil, Oil Gas, Freon Gas below, Organic Solvent	

[Service Range]



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

[Size]

Thickness(mm)	0.5 ~ 3.2
Sheet(mm)	1270×1270 / 1270×2540
	1270×3810 / 1520×1520
	2540×3810 / 1520×3040

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

[Typical Physical Properties]

Test Method	Description	JIC 6000
	Density [g/cm^3]	1.7
ASTM F152	Tensile strength Across grain.MPa (kgf/mm^2)	13.7 (1.4)
ASTM F36J	Compressibility [%]	9
	Recovery [%]	55
ASTM F146	Fluid Resistance after 5hrs immersions	
	ASTM #3 oil (150°C) Thickness Increase [%] Tensile Loss [%]	5 23
	ASTM Fuel B (20~30°C) Thickness Increase [%] Weight Increase [%]	5 9
ASTM F147	Flexibility	No Crack
ASTM F495	Ignition Loss [%] 850°C(1123°F) x 30min	29

*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.