

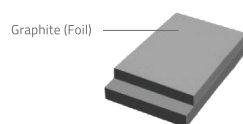
JIC 4201

3STAR FLEXIBLE GRAPHITE

3STAR Expanded Graphite Gasket shows good adherence to the flange and performs a sealing performance even under low seating stress. There is no property change under temperature varied from cryogenic to high-temperature range. It shows good corrosive & chemical resistance. Various kinds of this type of graphite gasket such as stainless steel (wire mesh, foil, and tang) inserted types can be available in accordance with some special conditions.

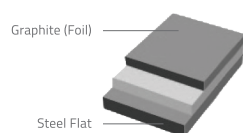
JIC 4201

Pure Graphite Sheet



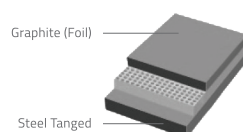
JIC 4201-P

Stainless Steel Flat
Reinforced Graphite Sheet



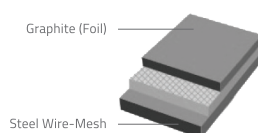
JIC 4201-B

Stainless Steel Tanged
Reinforced Graphite Sheet



JIC 4201-W

Stainless Steel Wire-Mesh
Reinforced Graphite Sheet



APPLICATIONS

Term -200°C ~ 450°C (Oxidizing Atmosphere Grade)
-200°C ~ 525°C (Oxidation Resistant Grade)
650°C (in steam service)

pH Range 0 ~ 14

Applied Fluids

High temperature & high pressure steam, hot water, gas, organic solvents, acid, alkali, LPG, LNG, Liquid N2, etc.



SIZE

Thickness (mm)	0.8 ~ 3.2
Sheet (mm)	1000 x 1000 / 1500 x 1500

TYPICAL PHYSICAL PROPERTIES

Test Method	Description	JIC 4201	JIC 4201 (P,B,W)
ASTM F36A	Carbon Content	Min 98%	
	Ash Content	Max 2%	
	Leachable Chloride Content	Max 50 ppm	
	Sulfur Content	Max 550 ppm	
ASTM F36A	Compressibility (%)	40	35
	Recovery (%)	15	20
ASTM F38	Creep Relaxation (%)	< 5	< 5

DESIGN DATA

JIC No.	Gasket Factor (m)	Min. Design Seating Stress (y) kgf/cm ² (psi)
JIC 4201	2	63 (900)
JIC 4201-P		
JIC 4201-W		
JIC 4201 B	2	176 (2500)