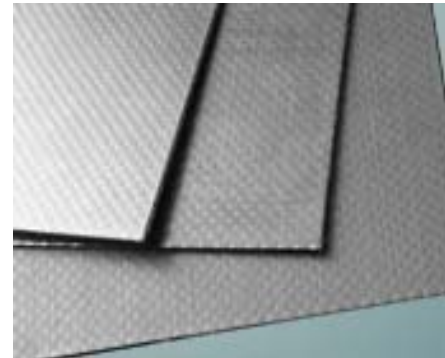


## *Reinforced Graphite Sheet*

### **Description**

Reinforced Graphite Sheets are made with pure flexible graphite with stainless steel tanged, flat foil or wire mesh inert. There are two basic types: mechanically bond (Tang inserted) and adhesive bond. Reinforced graphite sheets are ideal sheet gasket materials form most industrial fluid sealing applications. They resist corrosive chemicals, high temperature, and high pressure.



### **Our Styles**

Style	Reinforcement	Bond	Applications
<b>JX 1200</b>	With no insert	Adhesive	Used for flange gasket in low pressure sealing condition, for metal jacketed gaskets, corrugated metal gaskets, head exchanger gaskets.
<b>JX 1201</b>	0.10mm SS316 tanged insert	Mechanically	Reinforced Graphite Sheets are ideal sheet gasket materials for most industrial fluid sealing applications. They resist corrosive chemicals, high temperature, and high pressure. Recommended to be used in refineries, chemical and petrochemical plants, paper mills, mines and other industrial fields.
<b>JX 1202</b>	0.05mm SS316 foil insert	Adhesive	
<b>JX 1203</b>	0.20mm SS316 wire mesh insert	Adhesive	
<b>JX 1204</b>	0.20mm tinplate tanged insert	Mechanically	Recommended for automotive and other combustion engine applications, or similar sealing conditions. Typically it is used for head gasket, exhaust gasket.

### **Standard Size**

Size: 1000 x 1000mm, 1000 x 1500mm, 1500mm x 1500mm

Thickness: 1.0mm to 4.0mm

## ***JX 1200 Pure Graphite Sheet with no inserts***

### **Description**

Pure Flexible graphite sheet is cut from pure expanded graphite roll with no inserts. Used for flange gasket in low pressure sealing condition, for metal jacketed gaskets, corrugated metal gaskets, head exchanger gaskets.

- High Carbon content 99% Min.
- Contains no rubber or binder, 100% Asbestos free.
- Widely working temp. from -200°C to +3300°C in non-oxidizing.
- Chemistry resistance, oxidation resistant and corrosion resistant.

### **Technical Data**

Density Tolerance	±0.05g/cm <sup>3</sup>
Thickness Tolerance	±0.03mm
Carbon Content	99% min
Ash Content ASTM C561	≤1%
Leachable Chloride ASTM D-512	50ppm Max.
Sulphur Content ASTM C-816	1200ppm Max.
Tensile Strength	≥4.0Mpa
Compressibility	≥40%
Recovery	≥10%
Working Temperature	-200°C to +3300°C Non-Oxidizing -200°C to +500°C Oxidizing -200°C to +650°C Steam
Pressure	140bar Max.
PH	0-14

### **Standard Size**

Width: 1000mm, 1500mm

Length: 1000mm, 1500mm

Thickness: 0.2mm to 6.0mm

## ***JX 1201 Reinforced Graphite Sheet***

*With Stainless Steel Tanged Insert*

### **Description**

This product is manufactured from flexible graphite sheet mechanically clinched to 0.1mm thick SS316 tanged insert. The layers are mechanically laminated together with no adhesive or binder.

Reinforced Graphite Sheets are ideal sheet gasket materials for most industrial fluid sealing applications. They resist corrosive chemicals, high temperature, and high pressure. Recommended to be used in refineries, chemical and petrochemical plants, paper mills, mines and other industrial fields.

### **Technical Data**

	<b>JX 1201</b>
Material of insertion	SS316/SS304(tanged)
thick of insertion	0.10mm
Working Temperature	-200°C to +500°C Oxidizing -200°C to +650°C Steam
Max. Pressure	200bar
Density	1.1g/cm <sup>3</sup>
Carbon Content	99%
Ash Content ASTM C561	≤1%
Leachable Chloride ASTM D-512	50ppm Max
Sulphur Content ASTM C-816	1000ppm Max.
Fluorides Content ASTM D-512	50ppm Max.
Stress Relaxation DIN 52913	>48N/mm <sup>2</sup>
Compressibility ASTM F36A-66	30-40%
Recovery ASTM F36A-66	15-20%

### **Standard Size**

Width: 1000mm, 1500mm

Length: 1000mm, 1500mm

Thickness: 1.0mm to 4.0mm

## ***JX 1202 Reinforced Graphite Sheet***

*With Stainless Steel Foil Insert*

### **Description**

This product is manufactured from flexible graphite sheet adhesively bonded to 0.05mm thick SS316 plain foil insert. The layers are bonded together with super glue that does not delaminate during punching, storage and use.

Reinforced Graphite Sheets are ideal sheet gasket materials for most industrial fluid sealing applications. They resist corrosive chemicals, high temperature, and high pressure. Recommended to be used in refineries, chemical and petrochemical plants, paper mills, mines and other industrial fields.

### **Technical Data**

	<b><i>JX 1202</i></b>
Material of insertion	SS316/SS304(Foil)
thick of insertion	0.05mm
Working Temperature	-200℃ to +500℃ Oxidizing -200℃ to +650℃ Steam
Max. Pressure	200bar
Density	1.1g/cm <sup>3</sup>
Carbon Content	99%
Ash Content ASTM C561	≤1%
Leachable Chloride ASTM D-512	50ppm Max
Sulphur Content ASTM C-816	1000ppm Max.
Fluorides Content ASTM D-512	50ppm Max.
Stress Relaxation DIN 52913	>48N/mm <sup>2</sup>
Compressibility ASTM F36A-66	40-45%
Recovery ASTM F36A-66	10-15%

### **Standard Size**

Width: 1000mm, 1500mm

Length: 1000mm, 1500mm

Thickness: 0.8mm to 4.0mm

## ***JX 1203 Reinforced Graphite Sheet***

*With Wire Mesh Insert*

### **Description**

This product is manufactured from flexible graphite sheet adhesively bonded to 0.20mm thick SS316 wire mesh insert. The layers are bonded together with super glue that does not delaminate during punching, storage and use.

Reinforced Graphite Sheets are ideal sheet gasket materials for most industrial fluid sealing applications. They resist corrosive chemicals, high temperature, and high pressure. Recommended to be used in refineries, chemical and petrochemical plants, paper mills, mines and other industrial fields.

### **Technical Data**

	<b>JX 1203</b>
Material of insertion	Wire mesh
thick of insertion	0.20mm
Working Temperature	-200℃ to +500℃ Oxidizing -200℃ to +650℃ Steam
Max. Pressure	200bar
Density	1.1g/cm <sup>3</sup>
Carbon Content	99%
Ash Content ASTM C561	≤1%
Leachable Chloride ASTM D-512	50ppm Max
Sulphur Content ASTM C-816	1000ppm Max.
Fluorides Content ASTM D-512	50ppm Max.
Stress Relaxation DIN 52913	>48N/mm <sup>2</sup>
Compressibility ASTM F36A-66	40-45%
Recovery ASTM F36A-66	10-15%

### **Standard Size**

Width: 1000mm, 1500mm

Length: 1000mm, 1500mm

Thickness: 0.8mm to 4.0mm

## ***JX 1204 Reinforced Graphite Sheet***

*With Tinplate Tanged Insert*

### **Description**

This product is manufactured from flexible graphite sheet mechanically clinched to 0.20mm thick tinplate tanged insert. The layers are mechanically laminated together with no adhesive or binder.

Reinforced Graphite Sheets are ideal sheet gasket materials for most industrial fluid sealing applications. They resist corrosive chemicals, high temperature, and high pressure. Recommended for automotive and other combustion engine applications, or similar sealing conditions. Typically it is used for head gasket, exhaust gasket.

### **Technical Data**

	<b><i>JX 1204</i></b>
Material of insertion	Tinplate Tanged
thick of insertion	0.20mm
Working Temperature	-200℃ to +500℃ Oxidizing -200℃ to +650℃ Steam
Max. Pressure	200bar
Density	1.6g/cm <sup>3</sup>
Carbon Content	99%
Ash Content ASTM C561	≤1%
Leachable Chloride ASTM D-512	50ppm Max
Sulphur Content ASTM C-816	1000ppm Max.
Fluorides Content ASTM D-512	50ppm Max.
Stress Relaxation DIN 52913	>48N/mm <sup>2</sup>
Compressibility ASTM F36A-66	30-40%
Recovery ASTM F36A-66	>20%

### **Standard Size**

Width: 500mm, 1000mm, 1500mm

Length: 1000mm, 1500mm

Thickness: 1.0mm to 4.0mm