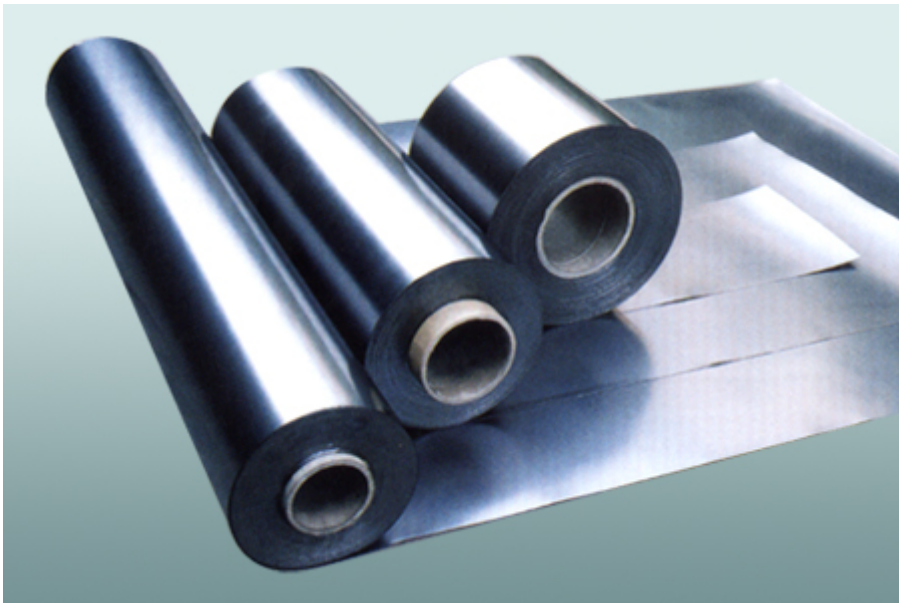


JX 1100 Flexible Graphite Sheet

Description

Flexible graphite sheet is made with pure expanded mineral graphite. *JX1100* flexible graphite sheet has a high purity of 99% carbon content. Higher carbon content gives the flexible graphite better chemical resistance, better thermal conductivity, and better sealability. As gasket material, it is usually fabricated into Graphite Laminate, reinforced graphite sheet and widely used in fluid sealing applications: flange gasket, spiral wound gasket, heat exchanger gasket, etc. It can also be used as solid lubricant in metal stamping and forming applications, or as heat liner in industry furnaces and other heating devices.

- 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.



Standard Size

	Thick (mm)	Width (mm)	Length(mm)
Sheets	0.2-6.0	1000, 1500	1000, 1500
Rolls	0.2-1.5	1000, 1500	30M,50M,70M,80M(Rolls)

JX 1100 Flexible Graphite Sheet

Technical Data

Density	1.0g/cm ³
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.
Working Temperature	-200℃ to +3300℃ Non-Oxidizing -200℃ to +500℃ Oxidizing -200℃ to +650℃ Steam
Pressure	140bar Max.
Tensile Strength	998psi
Stress Relaxation DIN 52913	48N/mm ²
Creep Relaxation ASTM F-38	<5%
Compressibility ASTM F36A-66	40 – 45%
Recovery ASTM F36A-66	≥20%
Ignition Loss	Less than 1%(450℃/1Hr) Less than 20%(650℃/1Hr)
Sealability ASTM F-37B fuel A	<0.5ml/h
Electrical Resistance	900 x 10 ⁻⁶ ohm cm parallel to surface 250, 000 x 10 ⁻⁶ ohm cm Perpendicular to surface
Thermal Conductivity	120 Kcal/m Hr. °C parallel to surface 4Kcal/m Hr. °C Perpendicular to surface
Thermal Expansion	5 x 10 ⁻⁶ /°C parallel to surface 2 x 10 ⁻⁶ /°C Perpendicular to surface
Frictional Coefficient	0.149
PH	0-14