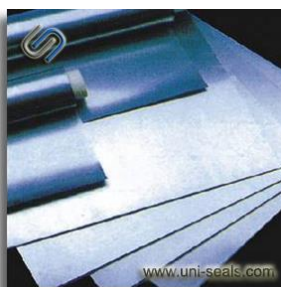


Expanded Graphite Sheet

**GS1000 Expanded graphite sheet**

Our GS1000 is selected from the high purity natural flake graphite. It is made through the advanced chemical treatment and mechanical procedure without fibers, binders or other additives.

It offers excellent sealing capabilities such as thermal stability, corrosion resistance, aging stability, self-lubricity, compressibility, and elasticity. It can serve for long time even under harsh working conditions with a very low maintenance cost. It is an ideal substitute for asbestos sheet.

Applications:

It is the basic material for making various kinds of reinforced graphite sheets, graphite tapes, packings and sealing gaskets. Widely used in chemical, automotive and pump, valve industries.

Specifications:

Grade		Industrial Grade	Low Sulphur	with Oxidant Inhibitor	Nuclear Grade
Density		1.0g/cm ³	1.0g/cm ³	1.0g/cm ³	1.0g/cm ³
Carbon content		≥98%	≥99%	≥98%	≥99.5%
Sulphur content		≤1200ppm	≤750ppm	≤1000ppm	≤700ppm
Chlorine content		≤80ppm	≤50ppm	≤50ppm	≤30ppm
Fluorine content		-----	≤50ppm	≤50ppm	≤30ppm
Ash content		≤2%	≤1%	≤1%	≤1%
Ignition loss	450°C, 1h	≤1%	≤1%	≤0.8%	≤0.8%
	600°C, 1h	≤20%	≤20%	≤5%	≤20%
Tensile strength		≥4Mpa	≥4Mpa	≥4Mpa	≥4Mpa
Compressibility		35~55%	35~55%	35~55%	35~55%
Recovery		≥9%	≥9%	≥9%	≥9%

Service Limits:

Temperature	-200°C~+650°C in oxidizing mediums -200°C~+3000°C in non-oxidizing mediums
Maximum pressure	30bar
PH range	0~14

Normal Dimensions:

Item	Sheets	Rolls
Length	1000~2000mm	2~500m
Width	1000~2000mm	500~2000mm
Thickness	0.2~4.0mm	0.1~1.1mm

Special densities, thicknesses, shapes and grades are also available on request.