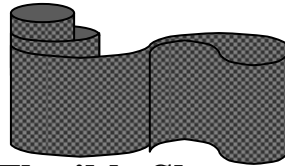


SLADE Pyro-Tex™ GASKET SHEET

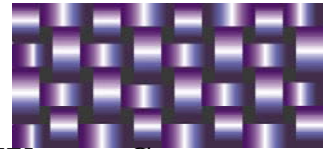
Stainless Steel Reinforced Woven GRAPHITE Sheet



Individual Strand



Flexible Sheet



Woven Structure

Patent Protection: US and Foreign Patents

Construction of Gasket: Woven & Compressed sheet gasketing

Construction of Weaving Yarns: Individual flat 304 SS foil strips (not wire), encapsulated in graphite, form unique metal/graphite yarns suitable for weaving 80"x80" high strength sheets. The woven metal strips act as leaf springs to provide resilience during frequent thermal cycling.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	ENGLISH	METRIC
Density	75 lb/ft ³	1.20 g/cm ³
Leachable chlorides	<10 PPM	<10 PPM
Sulfur*	<360 PPM	<360 PPM
Ash content	<0.74%	<0.74%
Compressibility (T _{room})	40%	40%
Recovery (T _{room})	10%	10%
Tensile along length	2200 psi	13.79 MPa
Compressive strength	35,000 psi	240 MPa
Temperature range		
Inert media	-400 ⁰ F – 1400 ⁰ F	-240 ⁰ C – 760 ⁰ C
Steam	1200 ⁰ F	650 ⁰ C
Oxidizing media	-400 ⁰ F – 975 ⁰ F	-200 ⁰ C – 525 ⁰ C
Strong oxidizers	Consult Factory	Consult Factory
Maximum fluid pressure	4500 psi	310 bar/ 31 MPa
M Factor	3	3
Y Stress	2900 psi	20 MPa

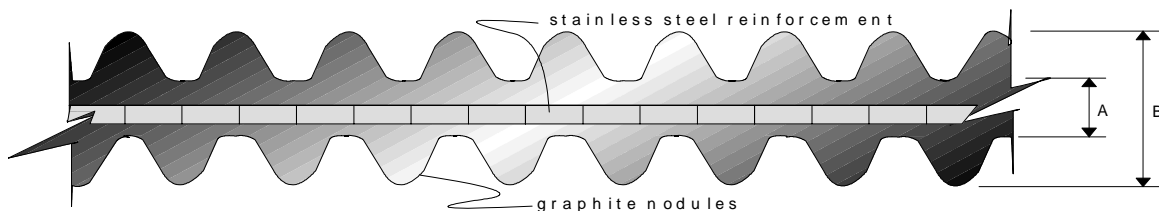
*Use Pyro-Tex Gasket Sheet GLC-2 for high purity applications in nuclear power generation.

The GASKET in a CLASS of ITS OWN

According to the BHR Group report, *Development of Gaskets Made from Expanded Graphite* by M. Gawlinski and J. Blachura (given at the Sealing for Pollution Prevention and Control 18th International Conference on Fluid Sealing in Belgium), the Pyro-Tex Woven Gasket (1) maintains a superior tightness over other graphite gaskets during temperature cycling due to its adherence to the sealing surface; (2) operates with high tightness due to the low tangential resistance at compression.

Thus, a larger than typical compression set, due to the presence of raised graphite surface nodules, is not a deterrent to its sealing capabilities. The nodules, as illustrated below, are designed to flow into flange surface imperfections. This "nodule" technology, making a high-quality gasket, puts the Pyro-Tex Gasket Sheet in a different classification when standard commercial tests are performed. The disparity in free thickness due to the surface nodules is much greater than the thickness at which a seal is achieved.

A : 1.2 m m
B : 2.2 m m



The above data, collected from in-house testing, field testing, and field applications, is subject to change without notice and must be used for examination ONLY. Contact the factory for suggestions on your specific application. Specific applications must be independently tested for safety and suitability. Failure to independently test can result in property damage and/or personal injury.

S:02.20.06