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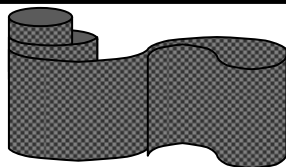
Est. 1797

SLADE Pyro-Tex™ GASKET SHEET

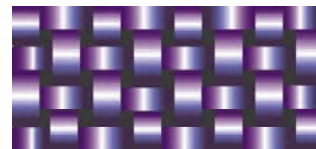
Stainless Steel Reinforced Woven GRAPHITE Sheet



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.

TYPICAL PHYSICAL PROPERTIES

| PROPERTY | ENGLISH | METRIC |
|--------------------------------------|---|--|
| Density | 75 lb/ft ³ | 1.20 g/cm ³ |
| Leachable chlorides | <10 PPM | <10 PPM |
| Sulfur ¹ | <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 | 15.17 MPa |
| Compressive strength | 35,000 psi | 241.32 MPa |
| Temperature range | | |
| Inert media | -400 ⁰ F – 1400 ⁰ F | -240 ⁰ C – 760 ⁰ C |
| Steam | 1200 ⁰ F | 649 ⁰ C |
| Oxidizing media | -400 ⁰ F– 975 ⁰ F | -240 ⁰ C – 524 ⁰ C |
| Strong oxidizers | Consult Factory | Consult Factory |
| Maximum fluid pressure | 4500 psi | 31.03 MPa |
| M Factor ² | 4 | 4 |
| Y Stress ² | 3190 psi | 22 MPa |

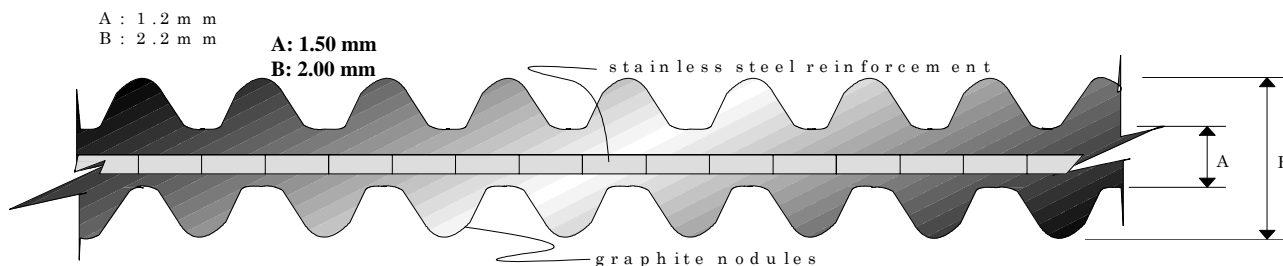
¹ Use Pyro-Tex Gasket Sheet GLC-2 for high purity applications in nuclear power generation.

² Based upon bolted flange joint strength analysis, not leakage. Not intended to give gasket stress assembly limitations.

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 graphite surface nodules, is not a deterrent to its sealing capabilities. The graphite surface nodules, as illustrated below, are designed to flow into flange surface imperfections. The Pyro-Tex Gasket Sheet is in a different classification when standard commercial tests are performed. The disparity in free thickness due to the surface is much greater than the thickness at which a seal is achieved.



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 each application. Each application must be independently tested for safety and suitability. Failure to independently test can result in property damage and/or personal injury. S:6.1.11