



FLEXIBLE GRAPHITE SHEET

STYLE FG-SH FLEXIBLE GRAPHITE SHEET HOMOGENEOUS



Flexible Graphite Sheet is made from exfoliated graphite flake, which is compressed into foil by a carefully controlled calendaring process. In this process, the expanded flake particles are mechanically locked together without the use of fibers, binders or other additives.

STYLE FG-SH Standard industrial grade sheet containing no binders or resins.



ADVANTAGES

- Pressure-temperature seal ability capabilities that are far superior to all asbestos reinforced and non-asbestos reinforced sheet products
- Low to moderate bolt loads and because of very low creep relaxation
- Re-torqueing is rarely required
- Conforms to irregular flange sealing surfaces and readily flows into flange irregularities enabling it to seal both smooth and coarse surface finishes
- Resistant to chemical attack by virtually all organic and inorganic fluids
- Exception of concentrated, highly oxidizing acids.



OIL / GAS



GAS TURBINE / DIESEL EXHAUST



POWER

SERVICE LIMITS

| Type | Description | Value |
|--|----------------------------|------------------------------------|
| Temp. Limits: | Minimum | -328°F (-200°C) |
| | Maximum | |
| | In air | 840°F (450°C) |
| | In steam | 1200°F (650°C) |
| | In reducing or inert media | 5400°F (3000°C) |
| Pressure Limits: | | 2500 psi (175 bar) |
| Typical Properties: | Compressibility | 35% (Tested under 5000 psi) |
| | Recovery | 18% (Tested under 5000 psi) |
| | Creep Relaxation | 12% |
| | Tensile Strength | 5000 psi |
| | Compressive Strength | 35,000 psi |
| | Density | 62.4 lbs/ft ³ |
| | Carbon Content | 98% minimum |
| | Total sulfur | 1200 ppm maximum |
| | Leachable Chlorides | 50 ppm maximum |
| | | |
| PART NUMBER / SHEET SIZE | | |
| SDS-03244-FGSH / 1/32" X 39.4" X 39.4" | | SDS-03255-FGSH / 1/32" X 60" X 60" |
| SDS-06244-FGSH / 1/16" X 39.4" X 39.4" | | SDS-06255-FGSH / 1/16" X 60" X 60" |
| SDS-12544-FGSH / 1/8" X 39.4" X 39.4" | | SDS-12555-FGSH / 1/8" X 60" X 60" |
| SDS-25044-FGSH / 1/4" X 39.4" X 39.4" | | SDS-25055-FGSH / 1/4" X 60" X 60" |

NAVY DRILL, COMMERCIAL DRILL AND CUSTOM PRE-CUT GASKETS ARE AVAILABLE