

DXFG™ 100 flexible graphite

Flexible Graphite is one of the sealing industry's top performers and Style 100 is the benchmark. It is non-inserted which is best for small gaskets where handling will not be a concern. No makes it the easiest version to fabricate also. DXFG 100 is made from 98% pure exfoliated graphite flake and calendered into a highly compressible, premium grade sheet for industrial use in a wide variety of applications.

- 98% pure graphite
- Available in 39.4" x 39.4" and 60" x 60"
- Good to 1200°F in steam

DXFG 100 will seal against a wide variety of chemicals, solvents and steam. Should not be used in strong oxidizers such as sulfuric and nitric acid in certain concentrations. DXFG 100 is will not get hard with age since it has no known shelf life. It is fire safe and retains its dimensional stability in high or fluctuating temperatures. For more information about the chemical compatibility of DXFG, visit our web site at www.dxseal.com

DXFG 100 Physical Properties

| | |
|--|-----------------------|
| Color | Silver Black |
| Density (lb/ft ³) | 70 lb/ft ³ |
| Maximum Service Temperature in oxidizing atmosphere* | 850°F / 450°C |
| Maximum Service Temperature in Steam* | 1200°F / 650°C |
| Maximum Service Temperature in a reducing atmosphere* | 5,432°F / 3000°C |
| Mimumum Service Temperature* | -328°F / -200°C |
| Maximum Service Pressure* | 2,000 psi |
| Maximum Gasket Stress | 25,000 psi |
| Pressure x Temperature (°F x psi) for 1/16" thick | 700,000 |
| M Factor, Stress | 2 |
| Y Factor, psi | 1,000 |
| Thermal Conductivity (parallel to surface) BTU-in/hr-ft °F | 1532 |
| Thermal Conductivity (normal to surface) BTU-in/hr-ft °F | 48 |

* Physical properties and values shown are typical. Specific application data should be evaluated for suitability, through independent study. For specific application recommendations consult DXSeal. Failure to select proper sealing products could result in property damage and/or serious personal injury. Specifications are subject to change without notice.