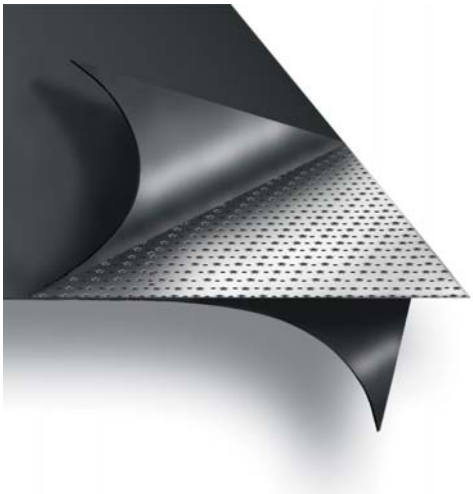
DXFG™ 180 flexible graphite / .004” tanged *316 SS* insert

Flexible Graphite is one of the sealing industry’s top performers and the style that sees some of the toughest applications is Style 180. The tanged stainless steel insert adds handling strength. DXFG 180 is made from 99% pure exfoliated graphite flake and calendered into a highly compressible, premium grade sheet for industrial use in a wide variety of applications.



- 99% pure graphite
- Available in 39.4” x 39.4” and 60” x 60”
- Good to 1200°F in steam

DXFG 180 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 180 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 compatiblity of DXFG, visit our web site at www.dxseal.com

DXFG 180 Physical Properties

Carbon Content (graphite)	99% min
Density (lb/ft3)	70 lb/ft^3
Ash Content (graphite)	1% max
Density (lb/ft3)	70 lb/ft^3
Sulfur Content	≤ 1200 ppm Typical
Maximum Service Temperature in Steam*	1200°F / 650°C
Maximum Service Temperature in a reducing atmosphere*	5,432°F / 3000°C
Mimimum Service Temperature*	-328°F / -200°C
Maximum Service Pressure*	2,000 psi
Compressibility	38% Typical
Recovery	16% Typical
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.