

DXFG™ 140 flexible graphite / .002" 316 SS foil insert

Flexible Graphite is one of the sealing industry's top performers and the style most widely used is the .002" stainless steel foil inserted. The foil insert adds handling strength, yet is still easy to fabricate because it is so thin. DXFG 140 is made from 99% pure exfoliated graphite flake and calendered into a highly compressible, premium grade sheet for industrial use.



- 99% pure graphite
- Available in 39.4" x 39.4" and 60" x 60"
- Good to 3000° C, in non-oxidizing atmosphere

DXFG 140 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 140 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 140 Physical Properties

Carbon Content (graphite)	99% min
Density (lb/ft ³)	70 lb/ft ³
Ash Content (graphite)	1% max
Density (lb/ft ³)	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
Minimum Service Temperature*	-328°F / -200°C
Maximum Service Pressure*	2,000 psi
Compressibility	40% Typical
Recovery	15% 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.