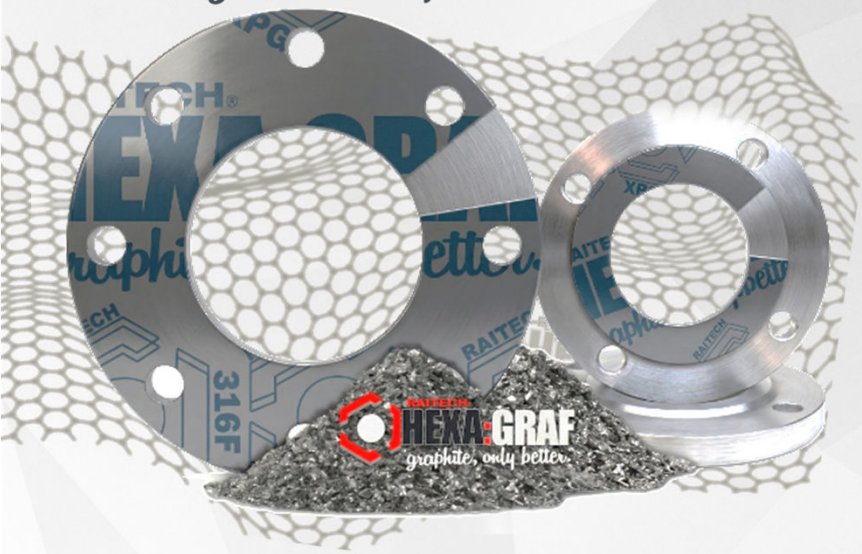
RAITECH® HEXA:GRAF® 316F

graphite, only better™

Data Sheet.



Designed for high and low temperatures and pressures, with improved handling.

HEXA:GRAF® 316F is manufactured from 98% pure expanded graphite flakes, mechanically bonded without the use of adhesives or binders. **HEXA:GRAF® 316F** inherently possesses excellent chemical compatibility, allowing it to work with the most aggressive fluids at high temperatures and pressures.

The high compressibility of **HEXA:GRAF® 316F** allows it to easily conform to sealing surfaces, even those with imperfections, and also helps compensate for misalignments without affecting its sealing capacity. Its thermal resistance allows it to operate in a range of -210°C to +650°C in inert atmospheres, and it is capable of withstanding the most aggressive thermal cycles without deterioration.

It features a 0.002” thick 316L sheet reinforcement.

Applications:
HEXA:GRAF® 316F is especially recommended for high-temperature and high-pressure applications on any type of flange. The metal reinforcement makes it suitable for steam service.

Benefits:
- Non-flame propagating.
- Multipurpose.
- No hazardous fibers.
- Low torque.

TECHNICAL DATA

Properties:	**HEXA:GRAF® 316F**	Sheet
Composition:	98% Expanded Graphite + 316L Foil Insert	
Density:	68.67	Lb/ft3
Temperature, Max:	1,202	°F (inert atm)
Temperature,Min:	-346	°F
Temperature,Continuous:	842	°F
Pressure, Max:	1,886	Psi
Compressibility, ASTM F36a:	32	%
Recovery, ASTM F36a:	>25	%
Tensile Strength, ASTM F152:	4,641	Psi
Stress Relaxation, DIN 52913:	36	Mpa
Sealability, ASTM F37:	<0.25	ml/h
pH Range:	0-14	
"M&Y" Values @ 1/8, ASME PVRC:	M: 2.5 Y: 3,000	
"M&Y" Values @ 1/16, ASME PVRC:	M: 2.5 Y: 2,500	
P x T @ 1/8, Psi x °F:	360,000	°F x Psi
P x T @ 1/16, Psi x °F:	750,000	°F x Psi
Thickness Tolerance, ASTM F104:	±10	%
Dimensional tolerance:	±5	%
Thicknesses:	1/32",1/16",3/32",1/8", 3/16" & 1/4"	
Dimensions:	39.5"x39.5" (in) 39.5" x 79" (in) 60" x 60" (in)	
Chemical Composition:	Sulfur: <700ppm Chlorine: <50 ppm Carbon: >98% Ash: <1.4%	

***The maximum temperature and pressure limits should not occur simultaneously.**

Maxima seguridad en gases y alimentos.

ARM:TECH® 316T

Anillos interiores para una mejor sellabilidad y manejo.

evita romper las juntas.

Trusted Sealing Solutions.

GFA GASKET FABRICATORS ASSOCIATION

EN FAVOR DE LA COMPETITIVIDAD NO Corrupción

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