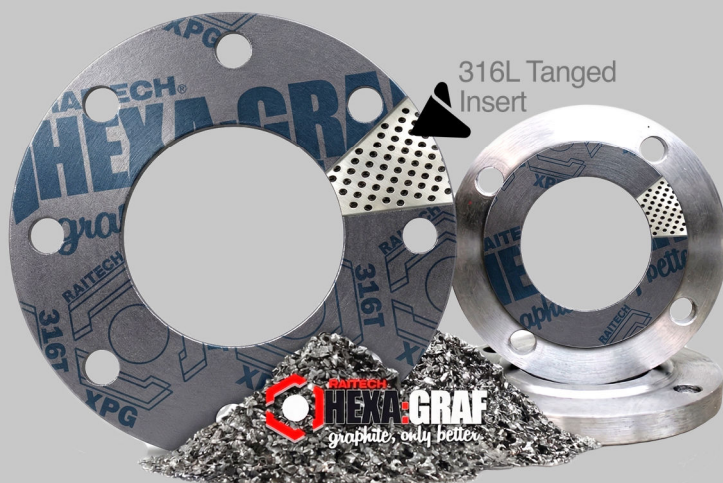




Designed for high and low temperatures and pressures, with improved crush resistance.

HEXA:GRAF® 316T is manufactured from 98% pure expanded graphite foil of variable density, mechanically bonded without the use of adhesives or binders.

The **HEXA:GRAF® 316T** style 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® 316T** 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 **-196°C to +650°C*** in inert atmospheres, and it is capable of withstanding the most aggressive thermal cycles without alteration.

Applications:

HEXA:GRAF® 316T is especially recommended for high-temperature and high-pressure applications on all types of flanges. The metal reinforcement makes it suitable for steam and thermal oil service.

Benefits:

- Does not propagate fire
- Multipurpose
- No hazardous fibers
- Low torque



www.hexagraf.mx

TECHNICAL DATA

Properties:	HEXA:GRAF® 316T Sheet
Composition:	98% Expanded Graphite + 316L Tanged Insert
Required Flange Roughness, Ra:	1/16" = 3.2-6.3 μ 1/8" = 3.2-12.5 μ
Density:	71.8 Lb/ft3
Temperature, Max:	1202.0 °F (inert atm)
Temperature, Min:	-320.8 °F
Temperature, Continuous:	842.0 °F
Pressure, Max:	2030.6 Psi
Compressibility, ASTM F36a:	30 %
Recovery, ASTM F36a:	>30 %
Tensile Strength, ASTM F152:	3625.9 MPa
Stress Relaxation, DIN 52913:	4786.2 Mpa
Sealability, ASTM F37:	<0.22 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:	360000.0 °F x Psi
P x T @ 1/16, Psi x °F:	750000.0 °F x Psi
Thickness Tolerance, ASTM F104:	±10 %
Dimensional tolerance:	±5 %
Thicknesses:	1/64", 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.*

Curva PxT - HEXA:GRAF® 316T

