



Resistant to high and low temperatures, with excellent chemical resistance.

HEXA:GRAF® 300H is a laminate manufactured from pre-densified foils of 98.0% pure expanded graphite, which are mechanically bonded. **HEXA:GRAF® 300H** inherently possesses excellent chemical compatibility, allowing it to work with the most aggressive fluids at high temperatures and pressures.

Its high compressibility, due to the controlled density of the graphite, helps it easily conform to sealing surfaces, even those with imperfections. It 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. **HEXA:GRAF® 300H** is especially recommended for high-temperature and high-pressure applications on all types of flanges, including PVC, CPVC, FRP, enamel, etc.

Its chemical resistance allows it to work with any fluid within the pH range of 0-14 (except for strong oxidizing agents). Available with a Mylar core in the HEXA:GRAF® 300M style.

Benefits:

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

TECHNICAL DATA

Properties:	HEXA:GRAF® 300H Sheet	
Composition:	98% Expanded Graphite	
Density:	65.55	Lb/ft3
Temperature, Max:	1,202	°F (inert atm)
Temperature, Min:	-346	°F
Temperature, Continuous:	842	°F
Pressure, Max:	1,015	Psi
Compressibility, ASTM F36a:	32	%
Recovery, ASTM F36a:	>20	%
Tensile Strength, ASTM F152:	725	Psi
Stress Relaxation, DIN 52913:	5,221	Psi
Sealability, ASTM F37:	<0.20	ml/h
pH Range:	0-14	
"M&Y" Values @ 1/8, ASME PVRC:	M: 2.5	Y: 2,000
"M&Y" Values @ 1/16, ASME PVRC:	M: 2.5	Y: 1,500
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:	1/64", 1/32", 1/16", 2mm, 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.**



ARM:TECH®
300H

Maxima seguridad en gases y alimentos.

Anillos interiores para una mejor sellabilidad y manejo.

evita romper las juntas.



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All the technical information and recommendations given in this document are based on our experiences. However, we do not accept any type of responsibility. The data and values presented should be reviewed by the user, based on the understanding that success in sealing can only be achieved by evaluating all parameters and variables directly at the job site. The parameters in this document are approximate and may have mutual influence if they occur simultaneously; please contact us in critical applications or where there is doubt.

Trusted Sealing Solutions.