



Designed for high-temperature automotive applications, such as exhaust systems.

HEXA:GRAF® 300J is manufactured from 98% pure expanded graphite foil of variable density, mechanically bonded without the use of adhesives or binders.

The HEXA:GRAF® 300J 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® 300J 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 showing any alteration.

Applications:

HEXA:GRAF® 300J is especially recommended for high-temperature applications such as cylinder head gaskets, exhaust manifold gaskets, turbochargers, etc.

Benefits:

- Flame retardant.
- Multipurpose.
- No hazardous fibers.
- Low torque.



DATOS TÉCNICOS

Properties:	HEXA:GRAF® 300J	Sheet
Composition:	98% Expanded Graphite + Tanged Insert (Automotive)	
Density:	62.43	Lb/ft3
Temperature, Max:	1202	°F (inert atm)
Temperature, Min:	-104.8	°F
Temperature, Continuous:	842	°F
Pressure, Max:	2,321	Psi
Compressibility, ASTM F36a:	27	%
Recovery, ASTM F36a:	>30	%
Tensile Strength, ASTM F152:	3,626	Psi
Stress Relaxation, DIN 52913:	36	Mpa
Sealability, ASTM F37:	<0.20	ml/h
pH Range:	0-14	
"M&Y" Values @ 1/8, ASME PVRC:	M: 2.5 Y: 3000	
"M&Y" Values @ 1/16, ASME PVRC:	M: 2.5 Y: 2500	
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
Maximum Stress @ 1/16:	12,000	Psi
Maximum Stress @ 1/16:	8,000	Psi
Thickness Tolerance, ASTM F104:	±10	%
Dimensional tolerance:	±5	%
Thicknesses:	1/32", 1/16", 1/8"	
Dimensions:	39.5"x39.5" (in) 24" x 39.5" (in)	
Chemical Composition:	Sulfur: <700ppm Chlorine: <50 ppm Carbon: >98% Ash: <1.4%	

***Los valores máximos de temperatura y presión no deben ocurrir simultáneamente.*

RAITECH ARM:TECH®

316L Metal Reinforced Graphite Gaskets.



Maxima seguridad en gases y alimentos.

www.hexagraf.mx

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