



HEXA:GRAF® 100

graphite, only better.

HEXA:GRAF® 98% Expanded Graphite + TiNOX™ Technology



Common equipment:

- Centrifugal pumps.
- Control valves.
- Shut-off valves.

Common fluids:

- Saturated steam.
- Gases.
- Condensate.
- Thermal oils.
- Hydrocarbons.
- Solvents.



TECHNICAL DATA

Properties:	HEXA:GRAF® 100	Packing
Composition:	HEXA:GRAF® 98% Expanded Graphite + TiNOX™ Technology	
Temperature, Max:	1,202	°F (peak)
Temperature, Continuous:	842	°F
Temperature, Min:	-400	°F
Max. Pressure, Rotating:	435	psi
Max. Pressure, Valves:	2,901	psi
Shaft Speed:	4,923	fpm
pH Range:	0-14	

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

AVAILABILITY:

Availability:	HEXA:GRAF® 100	Packing
1/8", 5# Boxes:	114.59	ft / lbs.
3/16", 5# Boxes:	50.60	ft / lbs.
1/4", 5# Boxes:	28.28	ft / lbs.
5/16", 5# Boxes:	20.83	ft / lbs.
3/8", 5# Boxes:	13.54	ft / lbs.
7/16", 5# Boxes:	11.31	ft / lbs.
1/2", 5# Boxes:	9.97	ft / lbs.
9/16", 5# Boxes:	7.59	ft / lbs.
5/8", 11# Boxes:	6.25	ft / lbs.
3/4", 11# Boxes:	4.32	ft / lbs.
7/8", 11# Boxes:	3.42	ft / lbs.
1", 11# Boxes:	2.23	ft / lbs.
Thickness Tolerance:	±10 %	
Notes:	The packaged product may have a variation of ±10%. *Other millimeter measurements and larger cross-sections are available upon request.	

expanded graphite, but with TiNOX™ technology for better sealing and easy removal.

HEXA:GRAF® 100 is a high-performance packing with an inter-braided construction, manufactured from 98% expanded graphite yarns reinforced with an inorganic carrier and the new TiNOX™ technology.

This hybrid combination allows it to resist most chemicals within the pH range of 0-14 (except strong oxidizers).

Thanks to the self-lubricating nature of expanded graphite, it has a very low coefficient of friction, capable of withstanding peripheral speeds of up to 25 m/s without causing wear on the equipment.

The new TiNOX™ technology seals the natural microporosities of the graphite, allowing for zero-leakage operation even with penetrating gases and fluids, while the reinforcing carrier provides superior structural stability, preventing extrusion in high-pressure applications.

The passive additive included in TiNOX™ technology helps contain corrosion, while improved lubrication reduces friction and allows the valve actuator to respond smoothly and without skipping, also facilitating removal.

The high compressibility and flexibility of HEXA:GRAF® 100 give it the ability to easily conform to the irregularities of the shaft and stuffing box, maintaining its airtight seal throughout its service life without hardening or aging.

Superior Safety: Good anti-extrusion resistance at high pressures and temperatures.

Airtight Seal: TiNOX™ technology blocks gas and vapor leaks.

No Flush Required: Thanks to its advanced heat dissipation, it can operate with zero leaks without seal water.

Equipment Protection: Self-lubricating and gentle on the shaft, eliminating sleeve wear. High Adaptability: Fits shafts with wear or slight deflections.

Operational Efficiency: Does not age and significantly extends maintenance downtime.

Zero Corrosion: Its passive additives prevent equipment corrosion.