



HEXA:GRAF® 98% Expanded Graphite + Inconel
+ Corrosion Inhibitors



**X-CROSS™
PATTERN**

Expanded graphite reinforced with Inconel®, with corrosion inhibitors.

INCO:GRAF® Z is a high-performance packing with an inter-braided construction, manufactured from 98% expanded graphite yarns with an inorganic carrier reinforced with Inconel® wire.

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

The included passive corrosion inhibitor additive helps contain corrosion, preventing it from reaching the equipment and thus extending its service life.

The high compressibility and flexibility of **INCO:GRAF® Z** allow it to easily conform to irregularities in the stem and stuffing box, maintaining a tight seal throughout its service life without hardening or aging.

Benefits:

- **Superior Safety:** Good anti-extrusion resistance at high pressures and temperatures.
- **Durable Seal:** With its high chemical resistance, it can withstand the most demanding fluids.
- **High Adaptability:** Fits stems with wear or slight deflection.
- **Operational Efficiency:** Does not age and significantly extends maintenance downtime.
- **Zero Corrosion:** Its passive additives prevent equipment corrosion.

This product is designed for use on valves and other static applications; do not use it on rotating shafts.

Data Sheet.

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Common equipment:

- Control valves.
- Shut-off valves.

Common fluids:

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

TECHNICAL DATA

Properties:	INCO:GRAF® Z	Packing
Composition:	HEXA:GRAF® 98% Expanded Graphite + Corrosion Inhibitors	
Temperature, Max:	1,202	°F (peak)
Temperature, Continuous:	842	°F
Temperature, Min:	-400	°F
Max. Pressure, Valves:	4,351	psi
Shaft Speed:	--	fpm
pH Range:	0-14	

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

AVAILABILITY:

Availability:	INCO:GRAF® Z	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.	

www.hexagraf.mx

RAIPACK®

All technical information and recommendations given in this document are based on our experiences, however, we do not accept any liability. The data and values presented must be reviewed by the user, assuming that success in sealing can only occur by evaluating all parameters and variables directly on 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.