

NICKEL HI-TEMP HIGH TEMPERATURE ANTI-SEIZE AND GASKET COMPOUND

Nickel Hi-Temp is a premium quality anti-seize and gasket compound for use in extreme temperatures and hostile environments. The carrier of this remarkable compound volatilizes upon exposure to high temperatures and deposits a nickel metallic plating on threaded connections, preventing metal-to-metal contact and guarding against seizing and galling.

Nickel Hi-Temp contains pure nickel flake and a nearly inert dispersing solid in a high quality, aluminum complex base grease which provides unsurpassed protection from rust by water penetration or water wash-off.

Nickel Hi-Temp does not contain copper, lead, graphite, chlorides or other halogens, phosphorus or silicones. It may be safely used with ammonia, acetylene, and vinyl monomers which are unstable in the presence of copper. Nickel Hi-Temp contains no graphite. This is an additional benefit on stainless steel applications when temperatures exceed 550°F (288°C), as graphite would carbonize and weaken the steel. The solids package in Nickel Hi-Temp produces a matrix of particles which settle in successive layers or "sandwich". This allows the solids to serve as a lubricant, cushion and seal. This layering does not allow the welding under compaction that leads to seizure and galling.

BENEFITS:

- LEAD-FREE - contains no lead, copper or graphite.
- PROTECTION - prevents seizure up to 2,600°F (1,427°C).
- PROTECTS AGAINST RUST AND CORROSION.
- CHEMICALLY INERT.
- ACID RESISTANT.
- STRONG RESISTANCE TO WATER WASH-OFF.
- BRUSHABLE TO 0°F (-18°C).
- NOT RUNNY - will not run, drip or settle out.

APPLICATIONS:

Used extensively in refineries, chemical plants, petro-chemical plants, power generation facilities and other harsh environments on items such as:

Burner Tips	Reactor Bolts
Heat Exchangers	Manifolds
Furnace Hinges	Manhole Studs
Pipe Fittings	

Note: Not for use on oxygen or LPG lines.

ASTM #		TYPICAL CHARACTERISTICS
	Grade	1.5
D-217	Cone Penetration (Worked)	290-320
D-2265	Dropping Point, °F (°C)	450 (232)
Gardner Method	Density, lb/gal @ 60°F (15.5°C)	9.20
	Specific Gravity, g/cc @ 60°F (15.5°C)	1.105
D-2596	Four Ball EP	
	Weld Point, kg	200
D-4048 (Modified)	Copper Strip Corrosion for Greases	1A
	212°F (100°C) @ 3 hrs	
	Thickener Type	Aluminum Complex
B-117	Salt Fog Resistance	>200
	20% NaCl @ 100°F, hrs	
	Coefficient of Friction on Stainless Steel	0.15
	Service Rating, °F (°C)	-65 (-54) to 2600 (1427)
	Color	Silver Paste

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

PACKAGING

Brush Top Cans 12 - ½ lb cans	Brush Top Cans 12 - 1 lb cans
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THE WHITMORE MANUFACTURING COMPANY

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Performance Under Pressure Since 1893

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