CHESTERTON
Global Solutions, Local Service.

772

PREMIUM NICKEL ANTI-SEIZE COMPOUND



PRODUCT DATA SHEET

APPLICATION AREAS

- *Bolts*
- *Flanges*
- *Fittings*
- *Valves*
- *Refineries*

KEY FEATURES AND BENEFITS

- Ultra Fine Particle size
- Eases mechanical assembly and disassembly up to 1425°C (2600°F)
- Balanced coefficient of friction eliminates torque recalculations
- Meets MIL-A-907F
- Corrosion resistance
- Withstands extreme pressure
- NSF H2 Registration Number 133959
- GE TIL 1117-3R1, GE D50YP12, GE NEDC-31735P

PACKAGING

500 g Brush Top

DIRECTIONS

Treat all threaded or press-fit parts before joining to make assembly and disassembly easier. Surfaces should be free of dirt, oil, grease, etc. Apply liberally to mating surfaces.

DESCRIPTION

Chesterton® 772 Premium Nickel Anti-Seize Compound is formulated with ultra pure raw materials. This permits 772 Premium Nickel Anti-Seize Compound to conform to most applicable equipment specifications which restrict the levels of halogens, sulfur and low melting point metals. The product seals and protects metal parts under extreme conditions by providing an ultra-thin coating of particles. The particles form an anti-friction barrier that will not burn, wash or scrape off. The barrier formed prevents pitting from the galvanic action between dissimilar metals that could occur if the metals were not separated. Because nickel is a hard metal, it will withstand severe pressures without flattening or hardening. Chesterton 772 Premium Nickel Anti-Seize Compound has a balanced coefficient of friction, threads are not stretched and more accurate load values are possible during assembly. The product saves threads and parts for reuse by preventing galling damage and breakage during opening. The product meets MIL-A-907F.

TYPICAL PHYSICAL PROPERTIES

Appearance	Black
NLGI Grade (ASTM D 217, DIN 51 518)	1
Texture	Soft paste
Specific Gravity	1.47 kg/l
Average Particle Size	4 – 7 microns
Dropping Point (ASTM D 566, ISO 2176)	>316°C (600°F)
Operating Temperature	Up to 1425°C (2600°F)
Coeffecient of Friction "K" Factor (Skidmore-Wilhem Method)	0.16
Extreme Pressure (ASTM D 2596, DIN 51 350)	7136 kg/cm² (101,505 psi)
Copper Corrosion (ASTM D 300) 100°C (212°F)	None
Water Washout (ASTM D 1265) 79°C (175°F)	2.60%
Penetration (ASTM D 217, ISO 2137)	330
Weld Point (ASTM D 2596, DIN 51 350)	500 kgf
Load Wear Index (ASTM D 2596, DIN 51 350)	100

Before using this product, please refer to Safety Data Sheet (SDS).

Technical Information continues on page 2.

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Maximum Bolt Service Temperatures*			
General Classification	ASTM "Symbols"	JIS "Symbols"	Service Temp
Mild Steel		G3101SS41	260°C (500°F)
Carbon Steel	A307B	G4051S250	420°C (788°F)
5Cr1/2Mo	A193B5	G4107SNB5	600°C (1112°F)
1Cr1/5Mo	A193B7	G4107SNB7	550°C (1022°F)
CrMoVa	A193B16	G4107SNB16	600°C (1112°F)
18Cr8Ni	A193B8	G4303SUS304	800°C (1472°F)
18Cr10NiCb	A193B8C	G4303SUS347	800°C (1472°F)
18Cr10NiTi	A193B8T	G4303SUS321	800°C (1472°F)
18Cr12Ni2Mo	A193B8M	G4303SUS316	800°C (1472°F)
15Cr25NiMoTiVB	A453660		540°C (1004°F)

*Use of thread pastes will not extend service temperature of fasteners/bolts. Consult bolting supplier for proper temperature and tension limits.

772 Premium Nickel Anti-Seize Typical Analysis Results:			
	ppm	Total:	ppm
Antimony	<20	Chloride	23
Arsenic	<10	Fluoride	<10
Bismuth	<20	Sulfur	10
Mercury	<0,5	Bromide	<10
Tin	<20	Iodide	<10
Cadmium	<5	Phosphorus	<10
Copper	<5	Water Leachable:	
Indium	<10	Chloride	<5
Lead	<10	Fluoride	<5
Silver	<5	Sulfur	<5
Zinc	<5	Bromide	<5
Gallium	<10	Iodide	<5
Total Metals	None Detected	Phosphorus	<5
		Extractable:	
		Nitrite	<0,5
		Nitrate	<0,5

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