



PRODUCT DATA SHEET



NICKEL ANTI-SEIZE COMPOUND

Nickel Anti-Seize Compound is a copper free anti-seize compound for use on stainless steel fasteners and other metal components. Resists galling, inert to chemically harsh conditions, corrosion resistant and provides an ease of assembly and disassembly in high temperatures up to 1315°C (2400°F).

Applications

- ◆ Stainless steel fasteners and fittings
- ◆ Applications where reactive metals like copper cannot be present
- ◆ Harsh environments where chemicals may be present

Features and Benefits

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| ◆ High temperature protection | Easily coats threads and prevents galling, fretting and seizing of metal components. |
| ◆ Excellent rust and corrosion protection | Protects parts in use and in storage of rust, corrosion and oxidation. |
| ◆ Brush-able | Soft paste promotes easy brush application. |
| ◆ Torque reduction | Reduces friction and lowers torque required by up to 15%. |

General Description

Nickel Anti-Seize Compound is an aluminum complex grease containing high contents of nickel and graphite powders. **Nickel Anti-Seize Compound** is ideal for stainless steel components where soft reactive metals such as copper cannot be present. **Nickel Anti-Seize Compound** lowers the coefficient of friction and reduces torque for an ease of assembly and disassembly of metal parts and provides superior protection against galling, fretting and seizing. **Nickel Anti-Seize Compound** also provides excellent rust protection, corrosion resistance and is thermally stable to protect against oxidation.

Product No. 301684

NICKEL ANTI-SEIZE COMPOUND

TYPICAL PROPERTIES

<u>Product No.</u>	<u>301684</u>
<u>Old Product No.</u>	<u>21010</u>
NLGI Grade	1
Penetration, worked (60 strokes), ASTM D217, mm/10	325
Thickener Type	Aluminum Complex
Viscosity (Base Fluid), ASTM D445	
@ 40°C, cSt	287
@ 100°C, cSt	22.3
Dropping Point, ASTM D2265	
°C	274
(°F)	525
Copper Strip Corrosion, ASTM D4048	
24 hrs @ 100°C, rating	1b
Lubricating Solids Type	Nickel/Graphite
4-Ball EP Test, ASTM D2596	
Weld Load, kg	620
Coefficient of Friction, Falex Method, average	0.0699
Torque Coefficient (<i>K</i> -factor)*, ISO 16047	0.160
Coefficient of Friction, ISO 16047	0.118
Useful Temperature Range	
°C	-54 to 1315
(°F)	(-65 to 2400)
Texture	Smooth and tacky paste
Color	Silver Gray

* The *K*-factor on an un-oiled and degreased bolt is 0.187.