



BLUE MONSTER® Nickel Guard® Anti-Seize Tape



Nickel Guard® Anti-Seize Thread Sealing Tape

Easy Assembly and Disassembly of Threaded Components

- 10% Nickel Flake Content
- A nickel impregnated PTFE thread sealing tape designed for stainless steel fittings.
- A clean and efficient alternative to anti-seize compounds
- Anti seize assistance up to 2,651° F or (1,455° C)

Description

Mill-Rose Blue Monster® Nickel Guard® Anti-Seize Thread Sealing Tape is a new and unique thread sealing tape which prevents stainless steel fittings from galling or seizing during assembly and disassembly. The tape is impregnated with nickel powder which acts like bearing plates, keeping the surface of the male and female threads apart.

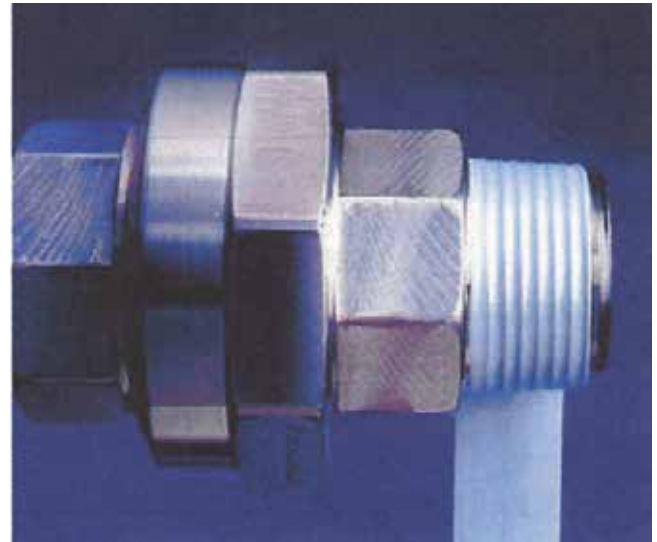
Further protection is provided with the thicker and denser than average composition of Mill-Rose Blue Monster® Nickel Guard® Anti-Seize Thread Sealing Tape.

This added thickness and density also ensure an effective seal.

Applications

Mill-Rose Blue Monster® Nickel Guard® Anti-Seize Thread Sealing Tape is recommended for stainless steel pipe and fittings but it is compatible with the following piping materials:

- Galvanized steel
- Iron
- Brass
- Copper
- Aluminum
- Fiberglass
- Polyethylene
- Polypropylene
- PVC
- CPVC
- ABS



For a more detailed list of chemicals compatible with Blue Monster® Nickel Guard® Anti-Seize Thread Sealing Tape contact Mill-Rose.

Characteristics

- Compatible with a wide range of gases and liquids
- Compatible with a wide range of piping materials
- Will not harden or crack on the joint
- No curing time
- Effective across a broad range of temperatures
- Non-toxic • Non-flammable • Clean



Cat #	Description	Case Pack	Weight
70894	1/2" x 600"	10	1.14 lbs.
70895	3/4" x 600"	8	1 lb.

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To order call toll-free: (800) 321-3598 or Fax (440) 255-1072

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Components above 1-1/2" (38mm) in diameter

1. Use 3/4" (19mm) wide tape.
2. Follow the directions provided.

Precautions

Note. Keep Mill-Rose Blue Monster® Nickel Guard® Thread Sealing Tape clean. Replace the clip on the spool after use. Store in a clean place. Mill-Rose Blue Monster® Nickel Guard® Thread Sealing Tape is manufactured predominantly from PTFE resin. PTFE is virtually chemically resistant to all media, however, there are a few exceptions. Alkali metals such as elemental sodium, potassium and lithium are to be avoided. These alkali metals remove fluorine from the polymer molecule. Extremely potent oxidizers such as fluorine (F2) and related compounds (e.g., chlorine trifluoride (ClF3)) can be handled by PTFE, but only with great care. Since fluorine is absorbed into the resin, the mixture becomes sensitive to a source of ignition such as impact. Other media to avoid are 80% NaOH or KOH, metal hydrides such as boranes (e.g., B2H6), aluminum chloride, ammonia (NH3), certain amines (R-NH2), imines (R-NH) and 70% nitric acid at temperatures near the suggested service level. Mill-Rose Blue Monster® Nickel Guard® Thread Sealing Tape also contains nickel. Some acids might react with this metal on the surface of the tape.

Do not use Mill-Rose Blue Monster® Nickel Guard® Anti-Seize Tape to seal lines carrying oxygen!

For oxygen service, Mill-Rose Green Oxygen Tape is recommended. For further safety details, consult the Material Safety Data Sheet.

Limited Liability

The information presented is in good faith, but no warranty is given nor are results guaranteed. Since we have no control over the physical conditions surrounding the application of information contained herein, Mill-Rose disclaims any liability for untoward results.

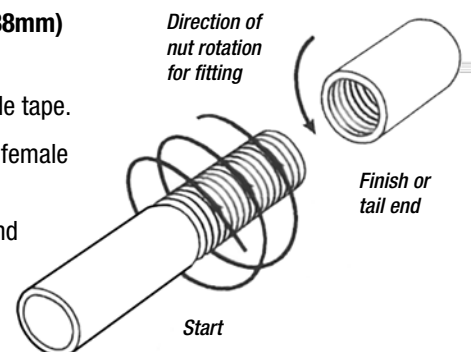
Specifications

Composition	90% PTFE / 10% nickel
Color	Silver
Thickness	0.0045" +/- 10% (0.115mm +/-10%)
Density, apparent	1.6g/cm ³ +/- 10%
Elongation	50%
Temperature range	-450°F to +500°F (-268°C to +260°C) PTFE is completely stable up to +500° F or +260° C. Decomposition will occur on contact with naked flames. Upon decomposition, the remaining nickel powder will assist disassembly. Nickel flake will melt at 2,651°F or 1,455°C.
Tensile Strength	10-12N/mm ²

Instructions

Fittings up to 1 1/2" (38mm) diameter

1. Use 1/2" (12mm) wide tape.
2. Clean the male and female threads thoroughly.
3. Wrap the tape around the male thread. Take care to keep the tape under tension as you are wrapping so the tape molds itself into the root of the thread.
4. Make sure that you wrap with the thread.
5. Make sure that the tape does not overlap the end of the fitting.
6. Three wraps seal most threads.



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