

Anti-Seize Lubricants & Tapes

Stainless Steel Pipe Thread Sealing Tape

Mill-Rose Stainless Steel Thread Sealing PTFE Tape is a unique thread sealing tape which prevents stainless steel fittings from galling or seizing during assembly and disassembly. The tape is thicker and denser than most tapes. The added thickness and density ensures an effective seal up to 12,000 PSI. Do not use on Oxygen systems - See Green Oxygen Tape in this section.



Applications: Stainless steel pipe systems, including joints and connections, bolts, nuts, valves, flanges, studs, threaded fittings, bushings, plugs and assemblies. Also used for protection from corrosion, seizing, galling, rust carbon fusion and galvanized pitting.

Cat #	Description	Std. Pkg.	Wgt./Pkg.
70891	1/2" x 260" Rolls	10	.41 lbs.
70892	3/4" x 260" Rolls	8	.51 lbs.
70893	1" x 260" Rolls	6	.82 lbs.

Specifications:

Composition: 90% PTFE/10% nickel
Color: Silver
Thickness: 0.0045" +/-10% (0.115mm +/-10%)
Density: 1.6g/cm³ +/-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 is slow up to 750°F or +400°C. Decomposition will occur on contact with naked flames.
Tensile strength: 10-12N/mm²

Blue Monster® Nickel Guard® Anti-Seize Thread Seal Tape

Easy assembly and disassembly of threaded components

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



A unique thread sealing tape that prevents stainless steel fittings from galling or seizing during assembly and disassembly. This tape is impregnated with nickel powder which acts like bearing plates, keeping the surface of the male/female threads apart. Further protection is provided with this thicker and denser tape that ensures an effective seal. Blue Monster® Nickel Guard® Anti-Seize Thread Sealing Tape is recommended for stainless steel pipe and fittings but it is compatible with a wide range

Cat #	Description	Std. Pkg.	Wgt./Pkg.
70894	1/2" x 600"	10	1.14 lbs.
70895	3/4" x 600"	8	1 lb.

of piping materials for use with a wide range of gases and liquids. Additional features include no curing time, effective across a broad range of temperatures, and it's non-toxic and non-flammable.

Specifications:

Composition: 90% PTFE / 10% nickel
Color: Silver
Thickness: 0.0045" +/- 10% (0.115mm +/-10%)
Density: 1.6g/cm³ +/- 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 decompositiion, the remaining copper powder will assist disassembly. Nickel flake will melt at 2,651°F or 1,455°C.
Tensile strength: 10-12N/mm²

Copper-Filled PTFE Tape for Anti-Seize Thread Sealing

A clean copper based, high-temperature, anti-seize material for protection from corrosion, seizure, galling, rust carbon fusion, galvanic pitting. The copper acts like ball bearings. This tape maintains its elasticity where temperatures reach as high as 500°F-direct flame. Meets UL requirements for seal tests.



Applications: Bolts, studs, threaded fittings and couplings, valve shafts, cylinder heads, manifolds and any other connection in a hostile environment (boilers, ovens, exhaust manifolds, hot water storage tanks, pumps, burner assemblies, turbo charger fittings, etc.)

Do not use on oxygen systems.



Cat #	Description	Std. Pkg.	Wgt./Pkg.
70800	1/2" x 120" Rolls	10	.22 lbs.
70811	1/2" x 600" Rolls	10	1.14 lbs.
70805	3/4" x 120" Rolls	8	.44 lbs.

Specifications:

Composition: 90% PTFE/ 10% Copper
Color: Copper
Thickness: 0.0045" +/-10% (0.115mm +/-10%)
Density: 1.5g/cm³ +/-10%
Elongation: >100%
Temperature range: The tape is completely thermally stable at temperatures between -450°F to +500°F (-268°C to +260°C) PTFE in the tape will slowly decompose up to 750°F or 400°C. Decomposition will occur on contact with naked flames. Upon decomposition, the remaining copper powder will assist disassembly. The copper flake will melt at 1981°F or 1083°C
Tensile strength: 9-13N/mm²

Reference Mill-Rose specification sheet for additional uses & applications.