



3-Wrap PTFE Thread Sealants

Mill-Rose 3-Wrap Red Waterline Thread Sealing Tape

A red color-coded, full density, PTFE thread sealing tape designed for liquid lines. Just 3 wraps is all you need for dependable, leak-proof joints.

Description

Mill-Rose 3-Wrap Red Thread Sealing Tape is a PTFE tape designed specifically to seal lines carrying steam, water and other liquids.

This sealing tape is a full or maximum-density thread sealing tape. Unlike most thread sealing tapes on the market, Mill-Rose 3-Wrap Thread Sealing Tape has not been stretched during the manufacturing process. Stretching lowers the apparent density of tape by increasing its porosity. As stretched tape is more porous, more tape is required to obtain an effective seal.

Mill-Rose 3-Wrap Waterline Tape is color-coded red so fitters and inspectors can easily recognize it as quality tape.

Characteristics

- Compatible with a broad range of gases and liquids
- Compatible with a broad range of piping materials
- Will not harden or crack on the joints
- Effective across a broad range of temperatures
- Acts as a thread lubricant and anti-seize
- Prevents electrolytic corrosion of threads
- No curing time
- Unlimited shelf life
- Non-flammable
- Non-toxic
- Clean

Applications

3-Wrap Red Waterline Tape is manufactured from PTFE resin, a polymer consisting of recurring tetrafluoroethylene monomers whose formula is $(CF_2-CF_2)_n$. It is inert and compatible with a very wide range of materials. Use 3-Wrap Red Waterline Tape on pipe made from galvanized steel, iron, brass, copper, aluminum, stainless steel, polyethylene, polypropylene, PVC, CPVC, ABS and fiberglass. It can be used on pipes carrying the following:

- Acids, concentrated (*see precautions*)
- Acids, dilute
- Air, compressed
- Alcohols
- Aliphatic solvents
- Ammonia, liquid
- Aromatic solvents
- Caustics, concentrated (*see precautions*)
- Chlorinated solvents
- Cutting oils
- Diesel fuel oil
- Ethylene glycol
- Fatty acids
- Gasohol
- Glycerine
- Heating oils
- Hydraulic fluids
- Hydraulic oils
- Hydrogen, gaseous and liquid
- Inert gases, gaseous and liquid
- Jet fuel
- Kerosene
- Ketones
- Liquid Petroleum Gas
- Mineral oils
- Natural gas
- Nitrogen, gaseous and liquid
- Petroleum solvents
- Soap, liquid
- Steam
- Vegetable oils
- Water



For a more-detailed list of chemicals compatible with Mill-Rose 3-Wrap Red Waterline Tape contact Mill-Rose.

Note. Mill-Rose 3-Wrap Red Waterline Tape is compatible with most gases, but for gas lines, Mill-Rose 3-Wrap Yellow Gas Seal Tape is recommended.

Point-of-sale displays



7310 Corporate Blvd., Mentor, OH 44060
To order call toll-free: 1-800-321-3598 or Fax (440) 255-1072
Visit our web site at www.CleanFit.com • E-mail: info@CleanFit.com



3-Wrap PTFE Thread Sealants

Mill-Rose 3-Wrap Red Waterline Thread Sealing Tape

A red color-coded, full density, PTFE thread sealing tape designed for liquid lines. Just 3 wraps is all you need for dependable, leak-proof joints.

Specifications

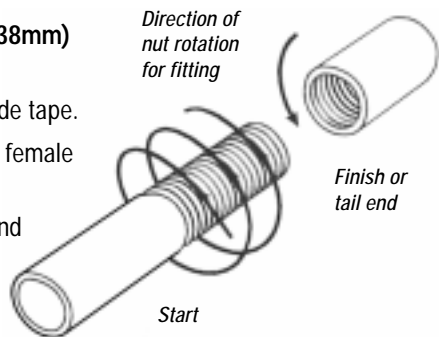
Composition	99.6% PTFE < 0.4% Pigment
Color	Red
Length	540" (13.7m)
Width	See Packaging below
Thickness	0.076mm +/- 10%
Density	1.5g/cm ³ +/- 10%
Elongation	>100%
Tensile strength	15N / mm ²
Pressure rating	Mill-Rose 3-Wrap Red Waterline Thread Sealing Tape has been used to seal fittings carrying water and oil at pressures up to 10,000 PSI or 69,000kPa Note. Pressure ratings are relative to the quality and torque of the fittings and the amount of tape used.
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. Although decomposition will occur on contact with naked flames.

Packaging	By Shrink Pack		By Carton	
	Qty	oz / gms	Qty	lbs / kgs
Size				
1/2" (12mm)	10	5.9 / 183	1000	41.9 / 19.0
3/4" (19mm)	6	5.0 / 155	600	35.3 / 16.0
1" (25mm)	6	5.4 / 168	600	38.6 / 17.5

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.

Fittings above 1 1/2" (38mm) diameter

1. Use 3/4" (19mm) wide tape for fittings up to 2" (51mm) in diameter. Use 1" (25mm) wide tape for fittings larger than 2" (51mm) in diameter.
2. Follow the directions given above.

Note. For poor quality or damaged threads or threads that are hard to seal like parallel threads or threads on fittings subject to vibration, more than three wraps may be necessary.

Precautions

Note. Keep Mill-Rose 3-Wrap Red Waterline Thread Sealing Tape clean. Replace the clip on the spool after use. Store in a clean place. 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.

Do not use Mill-Rose 3-Wrap Red Waterline Thread Sealing Tape on oxygen lines!

Mill-Rose recommends Green Oxygen Tape for oxygen lines. 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 the results guaranteed. Since we have no control over the physical conditions surrounding the application of information herein contained, Mill-Rose disclaims any liability for untoward results.

7310 Corporate Blvd., Mentor, OH 44060
To order call toll-free: 1-800-321-3598 or Fax (440) 255-1072
Visit our web site at www.CleanFit.com • E-mail: info@CleanFit.com