

Unasco Copper Anti-Seize Tape

A clean and efficient alternative to anti-seize compounds

Description:

Unasco Copper Anti-Seize Tape is a unique product designed to permit the easy assembly and disassembly of threaded components.

It takes the place of messy and potentially contaminating anti-seize compounds.

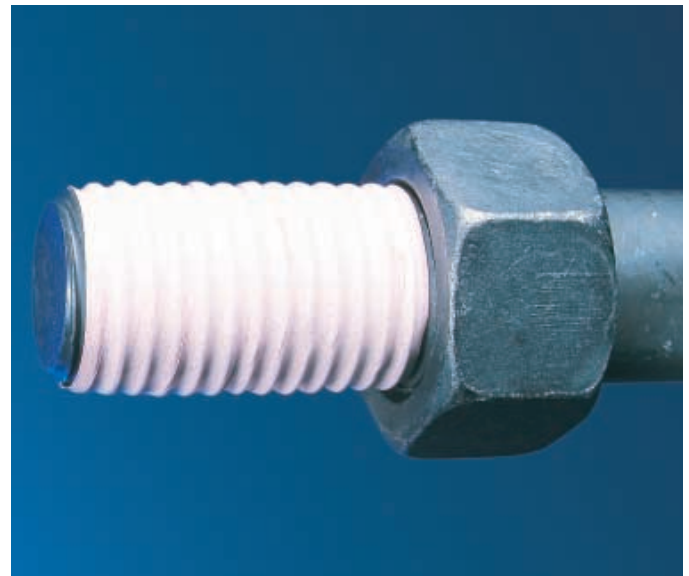
Unasco Copper Anti-Seize Tape is manufactured from a copper filled Teflon* PTFE resin. The Teflon provides excellent lubricity while the copper flakes act as slide or bearing plates between the two mating surfaces. Thus, the tape helps prevent galling during assembly and disassembly of components.

When wrapped around a thread, Unasco Copper Anti-Seize Tape seals it from corrosive substances or any dirt or grit likely to cause seizure. Unasco Copper Anti-Seize Tape also prevents components from vibrating loose.

Further

Characteristics:

- Resistant to a broad range of chemicals
- Compatible with a wide range of metals
- Will not rub, scuff or squeegee off
- Effective across a broad range of temperatures
- Clean
- No waste
- Non-toxic
- Non-flammable
- Compact



Applications:

Unasco Copper Anti-Seize Tape can be applied to any threaded component made from the following metals:
galvanized steel, steel, iron, brass, copper, aluminium, titanium and magnesium.

However, it is not recommended for stainless steel. For stainless steel components Unasco Nickel or Unasco Ceramic Anti-Seize Tape is recommended. It is also resistant to strong alkaline solutions, most chemical and acid vapours, road salt, steam, salt and iodized water. Consult Precautions before use.

Specifications

Composition	Teflon PTFE / Copper
Colour	Copper
Length	600"/15.1m
Width	See Packaing below
Thickness	0.0045"±10% / 0.115mm±10%
Density	1.5g/cm ² ±10%
Elongation	>100%
Tensile strength	9-13N/mm ²
Temperature range	The tape is completely thermally stable at temperatures between -450° F to +500° F / -268° C/ to +260° C The Teflon PTFE in the tape will slowly decompose up to 750° F or 400° C. Although 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/1083° C.

Packaging

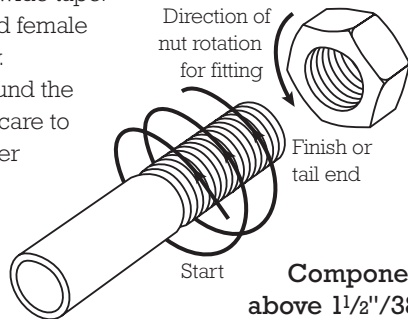
Size	By Box		By Carton	
	Qty	oz/gms	Qty	lbs/kgs
1/2"/12mm	10	17.3/490	490	44/20
3/4"/19mm	6	14.4/408	294	35/15.9

Instructions:

Components up to 1 1/2"/38mm in Diameter:

1. Use 1/2"/12mm wide tape.
2. Clean male and female threads thoroughly.
3. Wrap tape around the male thread. Take care to keep the tape under tension as you are wrapping so the tape moulds itself into the root of the thread.
4. Make sure that you wrap with the thread.
5. Overlap the tape 50% on each wrap.

6. Cover the entire threaded portion of the component with tape.



Components above 1 1/2"/38mm in diameter.

1. Use 3/4"/19mm wide tape.
2. Follow the directions given above.

Note. Unasco Copper Anti-Seize Tape is approximately 0.0045"/0.115mm thick. Therefore, when applied as directed it will add approximately 0.018"/0.46mm to the diameter of the threaded portion of the component. Ensure that this is within tolerance. Where Unasco Copper Anti-Seize Tape cannot be used, Unasco Copper Anti-Seize Compound is recommended.

Precautions

Keep Unasco Copper Anti-Seize Tape clean. Replace the clip on the spool after use. Store in a clean place. Unasco Copper Anti-Seize Tape is manufactured predominantly from Teflon PTFE resin. Teflon PTFE is virtually chemically resistant to all medias, 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 Teflon 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), aluminium chloride, ammonia (NH₃), certain amines (R-NH₂), imines (R-NH) and 70% nitric

acid at temperatures near the suggested service level. Unasco Copper Anti-Seize Tape also contains copper powder. Acids will react with the copper on the surface of the tape. For applications where the presence of copper is prohibited use Unasco Nickel Anti-Seize Tape or Unasco Ceramic Anti-Seize Tape. Unasco Copper Anti-Seize Tape is not designed specifically to be a thread sealant. However, it will seal threaded pipes up to 500° F/260° C.

However, do not use Unasco Copper Anti-Seize tape to seal lines carrying oxygen! For oxygen service, Unasco Green Oxygen Tape is recommended. For further safety details consult the Material Safety Date 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, Unasco disclaims any liability for untoward results.

*Teflon is a registered trademark of Dupont



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