

## Unasco Pink Industrial Thread Sealing Tape

A color-coded, full density, Teflon\* thread sealing tape designed for liquid lines

### Description

Unasco Pink Industrial Thread Sealing Tape is a Teflon thread sealing tape designed specifically for lines carrying steam, water and other liquids.

Unasco Pink Industrial Thread Sealing Tape is a full or maximum density, thread sealing tape. What this means is that, unlike most thread sealing tapes on the market Unasco Pink Industrial 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 is required to obtain an effective seal. Also, Unasco Pink Industrial Thread Sealing Tape is color-coded so fitters and inspectors can easily recognize it as quality tape.

### Further 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

- No curing time
- Effective across a broad range of temperatures
- Acts as a thread lubricant and anti-seize
- Prevents electrolytic corrosion of threads
- Non-toxic



- Non-flammable
- Clean
- Unlimited shelf life

### Applications

Unasco Pink Industrial Thread Sealing Tape is manufactured from Teflon. Teflon PTFE resin is a polymer consisting of recurring tetrafluoroethylene monomers whose formula is  $(CF_2 - CF_2)_n$ . It is one of the inert substances known. Therefore, it is compatible with a very wide range of materials.

It can be used on pipe made from galvanized steel, iron, brass, copper, aluminium, stainless steel, polyethylene,



polypropylene, PVC, CPVC, ABS and fibreglass. It can be used on pipes carrying the following materials:

- 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 Unasco Pink Industrial Thread Sealing Tape, contact Unasco.

**Note.** Unasco Pink Industrial Thread Sealing Tape is compatible with most gases but for gas lines Unasco Yellow Gas Seal Tape is recommended.

## Specifications

Composition	99.6% Teflon PTFE < 0.4% Pigment
Colour	Pink
Length	540"/13.7m
Width	See Packaging below
Thickness	0.076mm±10%
Density	1.5 g/cm <sup>3</sup> ±10%
Elongation	>100%
Tensile strength	15N/mm <sup>2</sup>
Pressure rating	Unasco Pink Industrial Thread Sealing Tape has been used to seal fittings carrying water and oil at pressures up to 10,000 PSI or 69,000kPa <b>Note.</b> Pressure ratings are relative to the quality and torquing of the fittings and the amount of tape used.
Temperature range	-450 to +500° F / -268 to +260° C Teflon 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 flame.

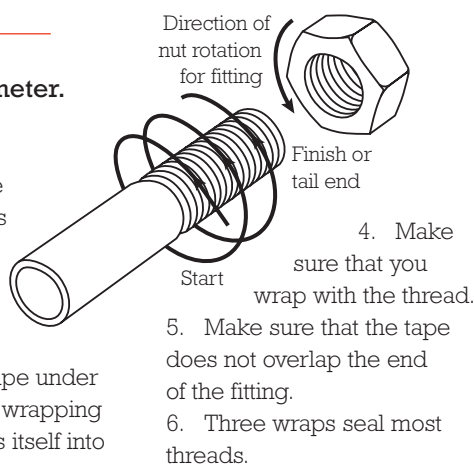
## Packaging

	By Shrink Pack			By Carton	
Size	Qty	oz/gms	Qty	lbs/kgs	
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 moulds itself into the root of the thread.



### 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 Unasco Pink Plumbers Tape clean. Replace the clip on the spool after use. Store in a clean place.

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 (F<sub>2</sub>) and related compounds (e.g., Chlorine trifluoride, (ClF<sub>3</sub>)) 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 medias to avoid are 80% NaOH or KOH, metal hydrides such as boranes (e.g., B<sub>2</sub>H<sub>6</sub>), aluminium chloride, ammonia

(NH<sub>3</sub>), certain amines (R-NH<sub>2</sub>), imines (R-NH) and 70% nitric acid at temperatures near the suggested service level.

### **Do not use Unasco Pink Industrial Thread Sealing Tape on oxygen lines!**

Unasco 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 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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