

tech7.0 info



Cobas Green Oxygen Tape

A color-coded, oxygen compatible, full density, Teflon* thread sealing tape

Description

Cobas Green Oxygen Tape is a full or maximum density, Teflon thread sealing tape designed specifically for oxygen lines.

Teflon thread sealing tape is manufactured from Teflon PTFE resin mixed with a small amount of solvent. For normal applications it does not matter if the solvent is not removed from the finished product.

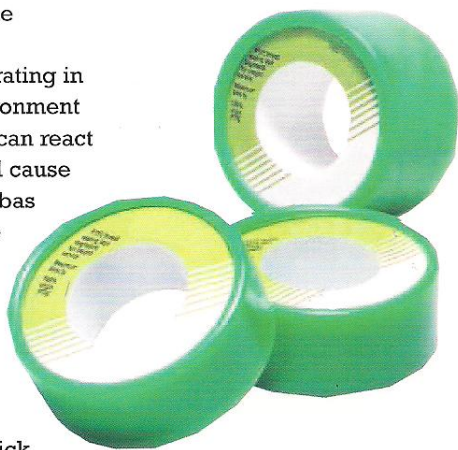
However, when operating in a pure oxygen environment remaining volatiles can react with the oxygen and cause an explosion. So Cobas Green Oxygen Tape put through a rigorous process to remove the solvent.

Furthermore, Cobas Green

Oxygen Tape is a thick, full-density threadsealing tape. Thus, the fitter can be assured that he or she will get an effective seal. Also, as an important safety feature, Cobas Green Oxygen Tape is pigmented green to ensure that the fitter or inspector can easily recognize that the tape he or she is using is compatible with oxygen.

Further Characteristics

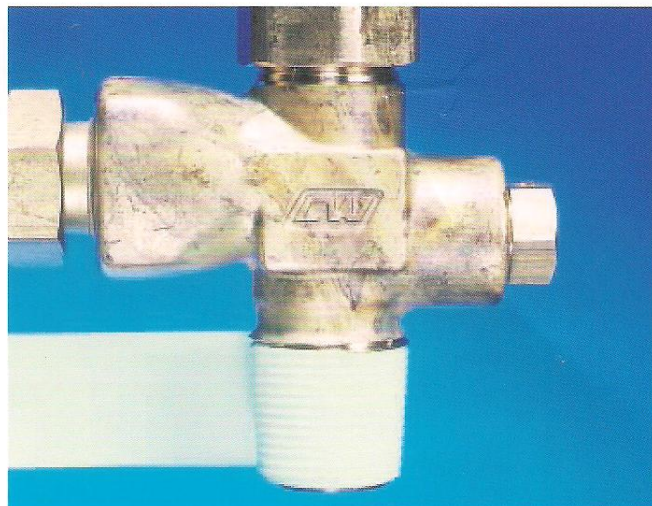
- Compatible with gaseous or liquid oxygen
- Compatible with a broad range of gases and liquids
- Compatible with a broad range of piping materials
- Will not harden or crack on the joint
- No curing time
- Effective across a broad range of temperatures
- Acts as a thread lubricant and anti-seize



- Prevents electrolytic corrosion of threads
- Clean
- Non-toxic
- Non-flammable
- Indefinite shelf life
- Exceeds MIL-T-27730A

Applications

Cobas Green Oxygen Tape is manufactured from Teflon. Teflon PTFE resin is a polymer consisting of recurring tetrafluoroethylene



monomers whose formula is $(\text{C}_2\text{F}_4 - \text{C}_2\text{F}_2)_n$. It is one of the most 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 also 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)
- Caustics, dilute
- Chlorinated solvents
- Cutting oils
- Diesel fuel oil
- Ethylene glycol

- Fatty acids
- Gasohol
- Gasoline
- Glycerine
- Heating oils
- Helium, gaseous
- 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
- Oxygen, gaseous and liquid
- Petroleum solvents
- Soap, liquid
- Steam
- Vegetable oils
- Water

For a more detailed list of chemicals compatible with Cobas Green Oxygen Tape, contact Cobas.