tech 7.0 info

Specifications

Composition	99.6% Teflon PTFE / <0.4% pigment
Colour	Green
Length	260" USA only/12m International
Width	1/2"/12mm, 3/4"/19mm and 1"/25mm
Thickness	0.102mm±10%
Density, apparent	1.5g/cm^3±10%
Elongation	>100%
Tensile strength	12.5N/mm^2 average
Pressure rating	Cobas Green Oxygen Tape has been used regularly on oxygen fittings at pressures up to 2,173.9PSI or 15,000kPa Note. 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.

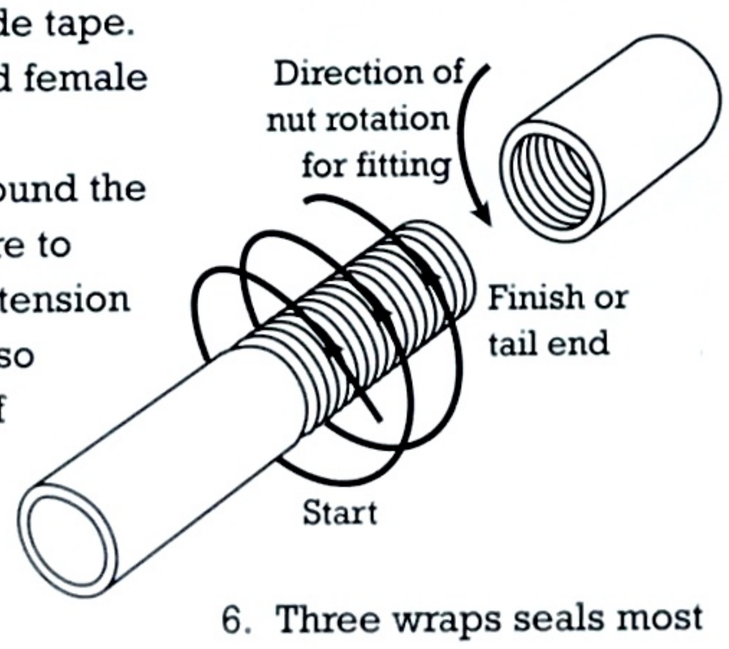
Packaging (12m spool)

	By Shrink Pack		By Carton	
Size	Qty	oz/gms	Qty	lbs/kgs
1/2"/12mm	10	9.5/269	250	17.0/7.7
3/4"/19mm	6	9.3/265	150	16.5/7.5
1"/25mm	6	10.2/288	150	17.6/8.0

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 valley 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 seals 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 two wraps may be necessary.

Precautions

Note. Keep Cobas Green Oxygen Tape clean! Do not store Cobas Green Oxygen Tape where it is likely to become contaminated by mineral, vegetable or animal oils and greases or any other chemical likely to react violently with oxygen.
Replace the clip on the spool after use and store in a clean place. Wash all possible contaminating substances from your hands prior to use.
If contamination in the work place is a problem we recommend Cobas Green Oxygen Tape in the sealed clipper/dispenser.
Contact Cobas for further information.
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_2) and related compounds (e.g., Chlorine trifluoride, (ClF_3), can be handled by Teflon, 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_2H_6), aluminium chloride, ammonia (NH_3), certain amines (R-NH_2), imines (R-NH) and 70% nitric acid at temperature near the suggested service level.
For further safety information, consult the Material Safety Data Sheet.

Approvals

Cobas Green Oxygen Tape has been approved for world wide use by the British Oxygen Company (B.O.C.).

Limited Liability

The information presented is in good faith, but no warranty is given nor are results guaranteed. Since we have no control over physical conditions surrounding the application of information herein contained, Cobas disclaims any liability for untoward results.

*Teflon is a registered trademark of Dupont

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