

# Champion PTFE Tape

CT-125 / 190 / 250

## Champion PTFE Thread Sealant Tape

**0.6 g/cm<sup>3</sup> High Density, Zero Leakage**  
**HPCL, BPCL, IOCL approved for**  
**LPG / CNG Cylinders**



**Champion PTFE Thread Sealant Tape** is a high purity, high density tape manufactured using premium grade virgin PTFE. Champion PTFE Tapes are resistant to a broad range of corrosive chemicals, gases, acids and liquids.

### Key Features:

- Lower porosity due to high density.
- Compatible with broad range of gases, and liquids across various piping materials.
- Does not harden / crack on joints.
- Easily removable for maintenance.
- Effective across wide range of temperatures and pressures.
- Prevents electrolytic corrosion of threaded joints.
- Zero curing time, unlimited shelf life, non-flammable.

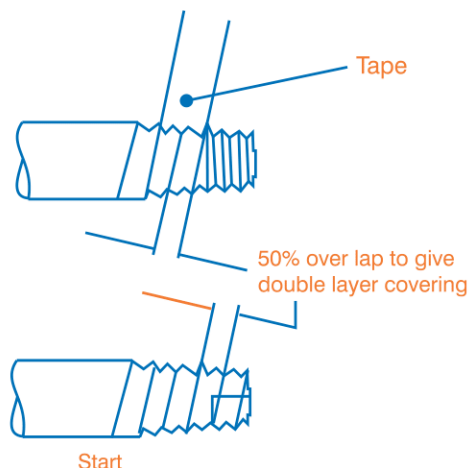
### Applications:

**Champion PTFE Thread Sealant Tapes** are used for various media applications ranging from corrosive chemicals, water, gas, lubricant, oil.

### Thread Wrapping Method

#### Instructions for proper usage:

- For threads up to 1½" diameter, use ½" width of thread seal tape. For > 1½" diameter, use ¾" or 1" width of thread seal tape.
- Clean the male and female threads thoroughly before application.
- Wind the tape around the male thread by hand, using a constant minimal tension sufficient for the tape to take up the form of the thread.
- The tape should be wound in a helical fashion with a 50% overlap in the direction of the thread so that when the connection is completed the finishing end of the tape remains in position.
- The tape width should not exceed the length of the thread form.



### OPERATING PARAMETERS:

#### Minimum Operating Temperature:

-240°C / -400°F

#### Maximum Operating Temperature:

+260°C / +500°F

#### Maximum System Pressure\*:

Gas: 2 Mpa / 20 Bar (300 psi)

Liquids: 0.7 Mpa / 7 Bar (100 psi)

#### Thread Range:

1/8" to 3" NPT, BST, Metric

#### Threaded Parts Material:

Suitable for all metal and plastic valves.

#### Chemical Resistance:

Extreme resistance to chemicals, corrosives, caustics, oils, solvents and gases.

#### Approved for Use:

Food processing, chemical, medical, water, gases and oils.

### PHYSICAL PROPERTIES:

#### Color:

Natural (White) non-pigmented

#### Purity:

99.9% minimum virgin PTFE

#### Toxicity:

Non-toxic

#### Shelf Life:

Indefinite, under ideal storage conditions

#### Flammability

Non-flammable

#### Density:

> 0.6 g/cm<sup>3</sup>

#### Thickness:

0.075 mm/3 mil

#### Tensile (Longitudinal) ASTM D-882

> 8 N/mm<sup>2</sup> (1.8 lbs/in)<sup>2</sup>

#### Elongation (Longitudinal):

25% minimum

\*Pressure rating is relative to the torque and quality of threads and amount of tape used

## TECHNICAL DATA SHEET

PRODUCT	CHAMPION CT-125	CHAMPION CT-190	CHAMPION CT-250
Width (± 0.3 mm)	0.5" (12.5 mm)	3/4" (19 mm)	1" (25 mm)
Length (± 0.175 M)	12 Meters (13 yards)	12 Meters (13 yards)	12 Meters (13 yards)
Density (± 0.05 g/cm³)	0.6 g/cm³	0.6 g/cm³	0.6 g/cm³
Application	Water/Steam	LPG/CNG/Gas cylinders self closing valves	Chemical/Pharma/Piping
Thickness (± 0.0075 mm)	0.075 mm	0.075 mm	0.075 mm
Identification - Colour (Material / Spool)	White / Red	White / Blue	White / Green
Standard Packaging	5 spools shrink wrapped 1,000 spools per box	4 spools shrink wrapped 800 spools per box	3 spools shrink wrapped 600 spools per box



Disclaimer: Information given in this datasheet is based on general experience and given in good faith. As the company's products are used for a multiplicity of purposes without control over the method of installation or selection or use, the company excludes all conditions or warranties, expressed or implied by statute or otherwise, as to their products and or their fitness for any purpose. Any technical cooperation is given in good faith without any liability on part of the company whatsoever.

To ensure you are working with the very latest product specifications, please consult the relevant section of the Champion website: [www.championseals.in](http://www.championseals.in)

