



## Gas Guard® PTFE Thread Sealing Tape

**PTFE Thread Sealing Tape Designed Specifically for Gas Lines**

- **Color coded yellow for easy identification by gas companies worldwide.**
- **Monstrous 1,000" roll**
- **Maximum density thread sealing tape**

### Description

Blue Monster Gas Guard PTFE thread sealing tape is designed specifically for gas lines. This is a full or maximum-density thread sealing tape.

Unlike most thread sealing tapes on the market, Blue Monster Gas Guard 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 tape is required to obtain an effective seal. A stretched tape is also flimsy and difficult to work with. It is more likely to shred and string, and the amount of tape wasted is high.

Blue Monster Gas Guard tape is approved by relevant authorities and used by the gas industry worldwide. It's color-coded yellow so fitters and inspectors can easily recognize it as an approved tape.

### Applications

Blue Monster Gas Guard PTFE thread sealing tape is manufactured from PTFE. PTFE resin is a polymer consisting of recurring tetrafluoroethylene monomers whose formula is  $(CF_2 - CF_2)_n$ . 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, aluminum, stainless steel, polyethylene, polypropylene, PVC, CPVC, ABS and fiberglass.



### 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 joint
- Effective across a broad range of temperatures
- Acts as a thread lubricant and anti-seize
- Prevents electrolytic corrosion of threads
- No Curing Time • Clean • Non-toxic • Non-flammable

| Cat # | Description   | Case Pack | Weight/Pkg. |
|-------|---------------|-----------|-------------|
| 70826 | 1/2" x 1,000" | 30        | 4.0 lbs.    |
| 70827 | 3/4" x 1,000" | 24        | 5.0 lbs.    |



**Attractive point-of-sale display gets attention and makes best use of limited shelf space**

**7310 Corporate Blvd., Mentor, OH 44060**

**To order call toll-free: (800) 321-3598 or Fax (440) 255-1072**

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# BLUE MONSTER® Gas Guard® PTFE Thread Sealing Tape

## Blue Monster® Gas Guard® PTFE Thread Sealing Tape

A yellow color-coded, full density, PTFE thread sealing tape designed for the gas industry. Just 3 wraps is all you need for dependable, leak-proof joints.

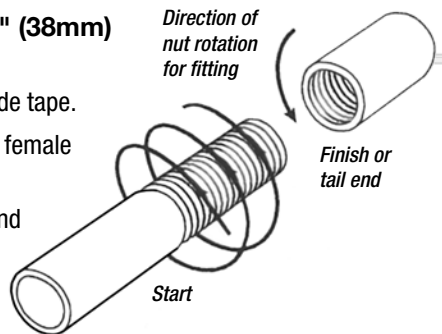
### Specifications

|                   |   |
|-------------------|---|
| Composition       | 99.0% Teflon® PTFE < 1.0% Pigment   |
| Color             | Yellow  |
| Thickness         | 0.004" +/- 10% (0.102mm +/- 10%)  |
| Density, apparent | 1.5g/cm <sup>3</sup> +/- 10%  |
| Elongation        | >100%   |
| Pressure rating   | In tests conducted by an independent laboratory Mill-Rose Yellow Gas Seal Tape was found to seal fittings carrying natural gas at pressures up to 4,347 PSI or 30,000kPa when applied as per instructions. (Details available upon application.)<br><b>Note.</b> Pressure ratings are relative to the quality and torque of the fittings and the amount of tape used. |
| Temperature range | -400°F to +500°F (-268°C to +260°C)<br>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 flames.  |
| Tensile Strength  | 10-17 N/mm <sup>2</sup>   |

### 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 molds itself into the root 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 seal most threads.

#### Fittings above 1-1/2" (33mm) 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 Blue Monster Gas Guard PTFE thread seal tape clean. Replace the clip on the spool after use. Store in a clean place. PTFE is virtually chemically resistant to all media, 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 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. B<sub>2</sub>H<sub>6</sub>), aluminum 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 Blue Monster Gas Guard Tape on oxygen lines!** Mill-Rose recommends Green Oxygen Tape for oxygen lines. For further safety details consult the Material Safety Data Sheet.

#### Approvals

Blue Monster Gas Guard PTFE thread seal tape is approved by the following authority:  
Underwriters' Laboratories

Blue Monster Gas Guard PTFE thread seal tape is also approved by Underwriters' Laboratories for use in sprinkler systems and water spray piping. Details of all approvals can be obtained on application to Mill-Rose.

#### 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, Mill-Rose disclaims any liability for untoward results.

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