

# 850

## PREMIUM SEALING TAPE

### Description

Chesterton® 850 Premium Sealing Tape is a high density, moldable, dry PTFE thread sealing tape. It is a heavy duty, tear-resistant product containing more PTFE per inch than virtually any thread sealing tape on the market today.

Chesterton 850 Premium Sealing Tape is chemically inert and seals most types of threaded metal and plastic pipes and bolts. It is nonreactive with steam, water, air fuels, refrigerants, acids, alkalies, all solvents, and gases including hydrogen, oxygen, ammonia, propane, butane, and nitrogen. For nitric or mixed acid services, factory should be consulted.

Chesterton 850 Premium Sealing Tape is non-hardening and stays pliable without the breakage seen in other PTFE containing tapes. It places a slippery layer of PTFE between mated threads which remains flexible and resists vibration. Connections that might otherwise be destroyed are saved for reuse as tape eases disassembly. Slippage is minimized during application as deep penetration of threads is possible with the soft malleable tape. Joints can be adjusted 90° or more without a leak.

Chesterton 850 Premium Sealing Tape is packaged in rugged easy-to-carry spools which protect the tape from dirt and contamination.

### Composition

Chesterton 850 Premium Sealing Tape is quite different from most PTFE containing tapes on the market today.

Many competitive products use PTFE simply as an incidental additive; in 850 Premium Sealing Tape it is the primary ingredient, comprising 100% of the total product.

### Typical Physical Properties

Color		White
Thickness (minimum)	ASTM D 374	0,075 mm (.003 in)
Specific Gravity 20°C (68°F)		0,9
Longitudinal Tensile	ASTM D 882	56 kg/cm <sup>2</sup> (800 psi)
Temperature Range		-240°C to 260°C (-400°F to 500°F)
Pressure		Up to 176 kg/cm <sup>2</sup> (2500 psi) Hydraulic to 703 kg/cm <sup>2</sup> (10,000 psi)

PTFE is well known for its excellent chemical resistance and temperature range. When competitive tapes fail it is not due to the PTFE, but rather the fact that there is not enough of it in the tape. These other tapes are of extremely low density. Chesterton 850 Premium Sealing Tape has 3.5 times the density of most "pure PTFE" tapes. The result is a thread sealing tape that consistently performs with minimum wraps.

Chesterton 850 Premium Sealing Tape is an end-user's best assurance that he is using a product manufactured to tight Chesterton quality specifications which contains the highest amount of pure PTFE possible in a thread sealing tape.

### Applications

Use Chesterton 850 Premium Sealing Tape as a non-hardening, dry thread sealant for most liquids, gases, pneumatic and hydraulic fittings. Prevents bolts and fittings from seizing up to 260°C. Seals all plumbing and most industrial piping threads.

### Features

- UL Listed - U.S. and Canada
- Meets MIL-T-27730A

- Meets USDA requirements for incidental food contact
- Conforms to FDA21CFR 177.1615
- Acceptable for oxygen use
- Non-aging
- Non-hardening
- High density
- Chemically resistant

### Benefits

- Stays pliable
- Always ready to use
- Requires fewer wraps
- Resists tearing and breakage
- Won't clog fuel lines

### Directions

Wind tightly around threads 1 to 1 1/2 times in direction pieces will be screwed together. Start winding at open end of thread to prevent unwinding. One thickness is usually sufficient to fill all voids and make an effective seal.

### Safety

Before using product, review the Material Safety Data Sheet (MSDS) or the appropriate safety sheet for your area.

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