

TFE pipe joint tape

Spec Sheet #S00008
February 2004

Tape and Packing



DESCRIPTION

An economical, low density grade of polytetrafluoroethylene (PTFE) pipe joint tape for sealing threaded pipe, valves, fittings, accessories and controls including those made from steel, galvanized and black iron, brass, copper, aluminum, stainless steel, glass, synthetic rubber, and all plastics.

TFE pipe joint tape is weather resistant, flexible, non-stick, non-flammable, low dielectric constant, chemically inert and usable at low temperatures. Joints made with **TFE pipe joint tape** will not "freeze," seize, or harden with age.

Product withstands temperatures from -450° to 500°F and pressures to 10,000 lbs. psi. Meets or exceeds performance requirements for use on oxygen lines under MIL-T-27720A (ASG). Since **TFE pipe joint tape** is chemically inert, it is resistant to chemicals, heat, corrosion and impact making it suitable for many applications including use on chemical processing equipment, electrical insulation and mechanical applications. The lubricity of polytetrafluoroethylene helps make threaded joints easy to assemble and disassemble, so product is excellent for applications which are subject to frequent dismantling. White color for universal use.

In applications where a heavier gauge, easier to apply, higher density product is desirable, **Hercules Teflon® tape dope®** may be preferable to **TFE pipe joint tape**.

SIZES AND PACKING

STOCK NO.	SIZE	PACKING	WEIGHT/CASE
15104*	1/2" x 60"	72 (6-1 dz.)	2.7 lbs.
15108*	1/2" x 260"	72 (6-1 dz.)	3.7 lbs.
15162	1/2" x 260"	144	3.7 lbs.
15164	1/2" x 520"	144	4.5 lbs.
15169	1/2" x 1296"	36	2.7 lbs.
15176	3/4" x 520"	36	1.6 lbs.
15183	1" x 520"	36	2.0 lbs.

Teflon® is a Dupont Trademark

* Carded, Blister Pack

Specifications

TFE pipe
joint tape

TFE pipe joint tape

Tape and Packing



APPROVALS AND LISTINGS

Meets MIL-T-27730A (ASG)

SPECIFIC USES

Use **TFE pipe joint tape** for sealing threaded pipes, valves, fittings and accessories.

SPECIFIC APPLICATIONS*

TFE pipe joint tape can be used for repairs and maintenance of any threading application in plumbing, mechanical and chemical processing equipment, or as electrical insulation due to its low dielectric properties.

PHYSICAL PROPERTIES

Solubility:	Not soluble in water, organic solvents, acids or bases.
Reactivity:	Chemically inert to most chemicals.
Flammability:	Non-flammable.
Thickness:	3.0 mils min.
Temperature Use Range:	-450°F to 500°F.
Appearance/color/odor:	White tape. No odor.

WARNINGS OR CAUTIONS

- Read all cautions and directions carefully before using product.
- Avoid prolonged exposure to fumes given off at temperatures over 500°F
- Should not be used on high-speed shafts where the surface speed exceeds 150 sfpm.

DIRECTIONS FOR USE

- 1) Hold roll in the palm of the hand. Lay end of **TFE pipe joint tape** on male threads as close as possible to end of threads without overlapping edge. Hold end of **TFE pipe joint tape** firmly and apply clockwise on standard threads stretching tightly as you wind.
- 2) Continue to wind and stretch tape tight so tape seats in threads. At least one and half turns for joints under 2", twice around on 2" and larger sizes.
- 3) Complete circle and overlap starting point about 1/2". Since **TFE pipe joint tape** has no adhesive, be sure to continue holding tightly until tape is firmly overlapped.
- 4) Tear tape by pulling in the same direction as you were winding until it separates. Smooth torn end by running fingers over it in the same direction it was applied. Tape will adhere to itself. Make up joint or connection in normal manner. For heavy duty applications use **Hercules Teflon® tape dope®** high density polytetrafluoroethylene thread sealing tape.

Teflon® is a Dupont Trademark



Hercules Chemical Company, Inc.

111 South Street, Passaic, NJ 07055-9100
 Phone: 800-221-9330 • Fax: 800-333-3456
 e-mail: info@herchem.com
<http://www.herchem.com>

MATERIAL SAFETY INFORMATION

FOR MORE INFORMATION ON THIS PRODUCT, REQUEST MATERIAL SAFETY DATA SHEET (MSDS) #8

For Delivery by Fax	Call 1-800-942-4636
Internet	See MSDS section of www.herchem.com
Mail	Contact Hercules at address below or any Hercules representative.

HMS Hazard Warning 0-0-0-A.

INGREDIENTS	CAS#
Polytetrafluoroethylene	9002-84-0

This product is not classified as hazardous in accordance with 29 CFR OSHA 1910.1200.

* For special applications which may not be covered on this or other Hercules literature, please contact Hercules Technical Services Department by phone at 1-800-221-9330 or send a fax to 1-800-333-3456.

ISO 9001: 2000 Certified

