



Technical Data Sheet - PTFE Valve Stem Packing

Rev. 0

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Description

PTFE Valve Stem Packing is a round cross-section high performance packing material made of 100% PTFE. It is an extruded, then expanded form-in-place material that upon compression conforms to stuffing box surface irregularities. It is capable of withstanding a wide range of pressure, temperature and chemical environments.

Technical Data

PTFE Stem Packing is manufactured from pure PTFE (Polytetrafluoroethylene) resin. This product contains no other ingredients, fillers or additives.

General Specifications

Pressure Range	Full Vacuum to 500 psi
Temperature Range	-450 deg F to 500 deg F continuous
Maximum P x T (psi x deg F)	75,000
pH Range	0-14 (resistant to all common chemicals, except molten alkali metals and elemental fluorine)
FDA	Compliant with FDA 21 CFR 177.1550 which covers PTFE resins for contact with food
Stability	No Age Deterioration Unlimited Shelf Life

Installation Instructions

To install TFCO Valve Stem Packing, follow these easy installation instructions. Proper assembly will result in a form-in-place, high-density packing that conforms to stuffing box surface voids and irregularities.

1. Isolate the valve pressure
2. Remove existing valve stem packing from the stuffing box.
3. Clean the stuffing box and stem of any dirt or debris.
4. Select the largest TFCO Valve Stem Packing that will fit into the stuffing box by hand.
5. Wind the packing around the stem with one, continuous piece, and cut when complete.
6. Push Stem into the Stuffing box.
7. Compress the Valve Stem Packing by tightening the gland nut.



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Stem Packing Standard Sizes:

Diameter	Length
1/16"	50-ft, 100-ft, 1,000-ft, 2,500-ft
3/32"	20-ft, 50-ft, 500-ft, 2,500-ft
1/8"	25-ft, 50-ft, 500-ft
5/32"	15-ft, 25-ft, 35-ft, 1,500-ft
3/16"	15-ft, 25-ft, 500-ft
7/32"	10-ft, 15-ft, 25-ft
1/4"	12-ft, 200-ft
9/32"	9-ft
5/16"	7-ft
3/8"	7-ft
1/2"	12-ft