

PTFE Packing

Pure PTFE packing rope is Flexible, almost completely chemical inertia, dimensional stable, low coefficient of friction and excellent resistance to compression. It is suitable for all the chemical compound, alternative & rotary motions shafts, rods, piston valves, steam, expansion joints. It is a Braided Packing made of pure P.T.F.E. Yarns.

Properties:

- Approved for food Industries
- Maximum service temperature of 260°C/500°F
- Chemically resistant to all common solvents
- Maintains mechanical strength at high temperatures



Applications

It is a cost-effective replacement of PTFE impregnated asbestos packing. PTFE 100% square packing is a self-lubricating, chemically inert, non-toxic, and a non-hazardous material. It is very flexible packing and provides more efficient sealing with very low friction characteristics. This packing can be used against corrosive chemicals, solvents, oils and petroleum by products and oxygen service widely used for water handling equipment, liquid oxygen pumps, valves etc.

PTFE valve packing is one of the most commonly used types of valve packing. It is used to seal valve stems and other parts of liquid-transporting machines. PTFE has excellent resistance to several aggressive chemicals and can safely come in contact with potable water. Aside from sealing leaks in valve stems, PTFE packing provides protection from wear. It is easy to install and has very low abrasion tendencies with whatever surfaces it comes in contact with.

Because of its high resistance to chemical oxidation, PTFE packing is widely used in factories. The food and drug industries depend heavily on PTFE packing to seal their valves and other machines that transport liquids. In fact, a majority of chemical factories prefer PTFE packing to repair leaking valves because it is so safe to use. PTFE lasts for a considerable amount of time, making it a cost-effective tool for valve maintenance.

Properties of PTFE Packing

Property:	Unit	Test Result
Volume density	g/cm ³	≥ 1.00
Heat Loss 260°C	%	≤ 3
Friction coefficient	/	≤ 0.14
Compression ratio	%	25 ~ 40
Rebound rate	%	≥ 10

Size Available *(Note: other sizes & profile can be made upon request)*

Thick / Width		Length for 5kg
Inch	mm	
1/8"	3.2	166m
3/16"	4.8	132m
1/4"	6.4	71m
5/16"	7.9	59m
3/8"	9.5	35m
7/16"	11.1	30m
1/2"	12.7	17m
5/8"	15.9	12m
3/4"	19.1	8.3m
7/8"	22.2	6.7m
1"	25.4	6.0m

