

Petrorays PRODUCTS Co

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PTFE THREAD SEAL TAPES

PTFE thread seal tapes can be used as a sealant in all types of threaded pipe materials like iron, steel, copper, aluminum, special steel, plastics including PVC pipes.

Apart from these, the most important characteristics of PTFE tapes to be used as a thread sealant are the tensile strength properties and the density. Performance of the tape is determined by the balance of tensile strength and elongation between the longitudinal and transverse directions & the percentage elongation at break in the transverse direction. Good drape is the ability of the thread seal tape to conform closely to the pipe threads without tearing.



PTFE thread sealant tapes ensure long term high reliable service and easy disassembly. The tapes provide permanently sealed joints which will outlast the pipe under any service condition.

The inherent lubricant properties of the tape relieve falling, binding & sticking often encountered with other types of thread sealants. The tape is so pliable that it seals in the roots of the pipe threads and it remains complaint at high and low temperatures and high pressures.

No acids, alkalis, or organic solvents and chemicals will chemically attack seals made from PTFE tape sealant. Since the tape does not harden with age, the joints do not freeze enabling easy disassembly of equipments. This tape can be used with toxic flammable and absorbent materials.



Our PTFE thread seal tapes are guaranteed by **UNDERWRITERS LABORATORIES INC, USA.**

These high density PTFE thread seal tapes are available in yellow, Pink & white colors having various densities & widths. Its is suitable for lines carrying propane, butane, natural gas, water, oil & chemicals, usable on all types of pipes & threads & capable to withstand pressure upto 100 PSIG & temperature of -240°C to +260°C

DESCRIPTION		SIZES		
BRANDS	Length	½"	¾"	1"
Kohinoor™	12 Meters	✓	✓	✓
Tonica	12 Meters	✓	✓	✓
Cross	12 Meters	✓	✓	✓
Crown®	10 Meters	✓	✓	✓
Cooper®	10 Meters	✓	✓	✓
C-Pack	10 Meters	✓	✓	✓

TECHNICAL PARAMETERS

Thickness:	0.075mm (3 Mil)	Temperature	-240°C TO +260°C
Elongation:	165% to 190%	Pressure	170 Bar
pH Range	0 To 14		

The Tapes Are Manufactured As Per British Standards (BS-4375) & Military Specifications (MIL-T-27730A)

APPLICATIONS

Chemical Plants ● Gas Cylinders ● Hydraulic & Pneumatic Equipments ● Paper Industries ● Domestic plumbing ● Pharmaceutical Industries ● Medical Equipments ● Auto Industries ● Petrochemical Industries ● Refineries ● Food Processing Units ● Cryogenic Equipments

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HOW TO USE PTFE THREAD SEAL TAPES



Simply wind the tapes to wrap around male thread of the joint with a right handed rotation. And on each following turn, allow an overlapping of about 10mm

Then give a light pressure with fingers, and the tape will easily stick to the surface of the threads

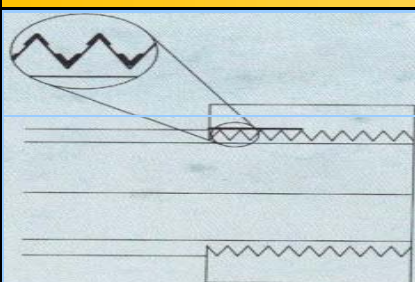
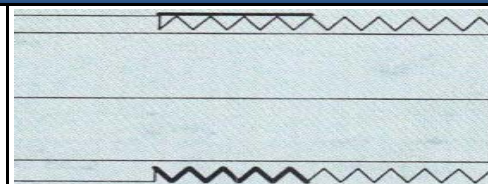


Thus forming up a perfect sealing of the screwed joint

THE ALL IMPORTANT DRAPE FACTOR

The tape on the threads before winding

The same width of the tape after winding has been stretched @ 200% but has not been broken or cut on the sharp crest of the threads



How PTFE Tape flows into the gap between the threads to seal the joint

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All technical information & recommendations given are based on our first hand experiences. However we do not undertake any legal responsibilities for the same. The custom to check information data & results. Since the performance of a tapes can be judged only through onsite evaluation.