



Expanded PTFE Joint Sealant:

Expanded PTFE Joint Sealant is a soft, compressible gasket material made of 100% pure, expanded PTFE. It is a form-in-place gasket that conforms to almost any sealing surface. Upon compression, it forms a thin, hard ribbon that fills in surface irregularities and creates an extremely tight seal. It is capable of withstanding a wider range of pressures, temperatures and chemical environments than any other soft gasket. Our Joint Sealant can be used in just about any accessible bolted joint that features a flat or serrated sealing surface. It is also easy to install and remove, making it a highly versatile and cost-effective solution for many demanding sealing applications.

Features

Form-In-Place: conforms to any surface, including rough, pitted, scratched, damaged surfaces and allows use with stress sensitive connections and applications where only a limited load is available, e.g. plastic flanges, glass flanges etc.

Typical Application

Sealing of flanges, pump housings, compressors, hand-and manholes, Air ducts, compensators, heat exchangers and many more.

Adhesive-Backed Surfaces

Convenient adhesive strip and peel-off backing allow easy installation on both horizontal and vertical surfaces.

Technical Data

- *Temperature range:* -240°C up to +260°C, for short periods up to +310°C
- *Chemical resistance:* Resistant against all chemicals from pH 0-14 – except molten alkali metals and elemental fluorine at high temperature and pressure
- *Pressure resistance:* Vacuum up to 200 bar
- *Aging resistance:* Our Joint Sealant does not age (adhesive tape has limited shelf life) and is UV-resistant
- *Color:* white
- *Other:* Our Joint Sealant is physiologically harmless. It has no smell or taste. It is neither contaminating nor toxic. It complies with the FDA 21 CFR 177.1550 Perfluorocarbon Regulations.

Size Recommendations for NPS flanges

Nominal Pipe Sizes	Size / Width
Up to 1/2" dia.	1/8"
3/4" to 1-1/2"	3/16"
2" to 4"	1/4"
5" to 8"	3/8"
10" to 16"	1/2"
18" to 24"	5/8"
24" to 36"	3/4"
36" and above	1"

Standard Sizes	FT/Roll
1/8" x .078" (2 mm)	100, 1000
3/16" x .078" (2 mm)	100, 1000
1/4" x .118" (3 mm)	50, 100, 500
3/8" x .158" (4 mm)	30, 50, 150
1/2" x .196" (5 mm)	15, 30, 150
5/8" x .196" (5 mm)	15, 30, 150
3/4" x .275" (7 mm)	15, 30, 50, 100
1" x .315" (8 mm)	15, 30, 75

Size Selection Guidelines

Select size by using a Joint Sealant that is 33-50% of flange sealing surface.