

24B

Expanded PTFE Joint Sealant

Construction:

Style 24B joint sealant is produced by expanding 100% virgin PTFE into a highly fibrillated structure which exhibits characteristics significantly different than conventional PTFE. The expanded PTFE is much more flexible than regular PTFE and thus conforms easily to irregular and rough surfaces. In addition, the expanded material is easier to compress and exhibits excellent resistance to creep and cold flow. This style of joint sealant is supplied as a continuous tape with a self-adhesive backing strip to facilitate easy installation.

Application:

Style 24B joint sealant is soft and marshmallow-like, allowing it to readily conform to and seal flanges with irregular and damaged surfaces. Because it is composed of 100% PTFE, it can handle virtually all chemicals in the 0 - 14 pH range and will not contaminate flow media. It has no smell or taste. It is neither contaminating nor toxic and it fulfills FDA 21 CFR 177.1550 Perfluorocarbon Regulations.

The versatility of this style is finding new applications everyday in the process industries and the OEM market.

This style is recommended for the following sealing applications:

- Steel pipe flanges
- Glass-lined pipe flanges
- Fiberglass pipe flanges
- Plastic pipe flanges
- Fume ducts
- Concrete lids
- Heat exchangers
- Fiberglass reinforced vessels
- Pump housing flanges
- Compressor housing flanges
- Turbine cases
- Manhole and handhole covers
- Ceramic joints
- Ventilation ducts
- Hydraulic and pneumatic systems
- Water supply systems

Typical Physical Properties:

Temperature	Continuous Service: -450°F to +446°F (-268°C to +230°C)
	Short Term Max.: 600°F (315°C)
Pressure	Typical use: 580 psi (40 bar)*
	Maximum: 3,000 psi (210 bar)*
Color	White
pH	0-14**

*for details on applications with higher temperatures and / or pressure please contact TEADIT application engineering!

**except molten alkali metals and elemental fluorine at high temperature and pressure



Width (in)	1/8	3/16	1/4	3/8	1/2	5/8	3/4	1
Thickness (in)	.059	.079	.098	.118	.158	.236	.276	.197
Spool Length (ft)	50, 100, 500	75, 150, 750	50, 100, 500	25, 50, 250	15, 30, 150	15, 30, 150	15, 30, 100	15, 30, 75

* other sizes are available upon request.

Approvals:

- BAM
- DVGW
- AREVA
- WRC
- BOC
- FDA (incl. adhesive backing)
- TA-Luft

Properties and application parameters shown throughout this data sheet are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult TEADIT. Failure to select proper sealing products could result in property damage and/or serious personal injury. Specifications are subject to change without notice; this edition cancels all previous issues.

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