

SEALEX[®]

PTFE Joint Sealant

Sealex[®] joint sealant, specially processed, 100% pure PTFE on a roll, provides soft, highly compressible gasketing for longer life and trouble-free sealing. Its form-in-place versatility also cuts maintenance and storage costs. The high compressibility of Sealex[®] enables it to effectively fill flange imperfections for a tight, leak-free seal. Under pressure, it provides a very wide, thin ribbon-like joint sealant. Unlike conventional PTFE which is prone to cold flow, Sealex[®] has good creep resistance and bolt torque retention properties.

Sealex[®] joint sealant does not support bacterial growth or cause product contamination and is FDA compliant. It has virtually no shelf-life concerns since PTFE is unaffected by normal environmental conditions.

Sealex[®] has excellent resistance properties to chemical attack. It is ideal for most chemical services at temperatures to 500°F (260°C) and pressure to 2,000 psi (138 bar). It is also suitable for cryogenic use to -321°F (-196°C).

The sealant is available in roll form which helps reduce storage space, and is available in a wide variety of thicknesses and lengths.



Easy to Use Sealex[®]

Just follow the simple installation instructions. Select the size Sealex[®]. Use a size with nominal width of between 1/3 and 1/2 of the effective flange sealing width.

1. Make sure that the sealing flanges are clean.
2. Cut off a length of Sealex[®] just a little longer than the actual circumference of the perimeter of the seal.
3. Peel off the adhesive protection strip, and press the Sealex[®] into position. Cross the free ends of the Sealex[®] adjacent to the bolt hole.
4. Bolt up the mating surfaces using the recommended clamping force and bolt tightening patterns.

Sealex[®] joint sealant can be used wherever reliable gasketing is required

- » Fume ducts
- » Concrete lids
- » Glass joints
- » Heat exchangers
- » Fiberglass reinforced plastic vessels
- » Pump or compressor housing flanges
- » Steam vessel flanges
- » Ceramic joints
- » Water systems
- » Valves and piping

Size selection/torques required to seal ANSI 150lb flanges

NOMINAL FLANGE SIZE (IN)	NUMBER BOTS (N)	BOLT SIZE (IN)	* APROX. SEALEX LENGTH (IN)	SUGGESTED SEALEX SIZE(IN)	SEALING STRESS (LBS/IN)	TORQUE (LB/FT)
1/2	4	.5	4.3	3/16	1570	30
3/4	4	.5	5.2	3/16	1570	30
1	4	.5	6.2	3/16	1570	30
1-1/4	4	.5	7.4	3/16	1570	30
1-1/2	4	.5	8.3	1/4	2140	30
2	4	.625	10.2	1/4	2140	60
2-1/2	4	.625	12.2	1/4	2140	60
3	4	.625	13.9	1/4	2140	60
4	8	.625	17.9	3/8	2620	60
5	8	.75	20.9	3/8	2760	100
6	8	.75	24.1	3/8	2625	100
8	8	.75	30.9	3/8	2625	100
10	12	.875	37.9	3/8	2750	160
12	12	.875	45.4	1/2	3000	160

*Based on mean sealing diameter

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