



QUALITY & INNOVATION

PROVEN • DURABLE • RELIABLE • VERSATILE

Put It On & Go To Sleep



ePTFE Joint Sealant – Style 3535



ePTFE Joint Sealant is a soft, conformable and 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

ePTFE Joint Sealant Physical Properties

Composition	100% PTFE Resin
Thickness	0.0055" (0.1397 mm)
Pressure Range	Full Vacuum to 3,000 psi
Temperature Range	-450°F to +525°C (-268°C to +273°C) Continuous -450°F to +600°C (-268°C to +316°C) Intermittent
Maximum P x T (psi x °F)	350,000
pH Range	0 – 14 (resistant to all common chemicals, except molten alkali metals and elemental fluorine)
FDA Compliant	FDA 21 CFR 177.1550 which covers PTFE resins for contact with food. FDA 21 CFR 175.105 which covers PTFE resins for contact with food.
Independent Laboratory Testing	Compressibility (ASTM F-36) 64 – 69% Creep Relaxation (ASTM F-38) 38 – 40%
In-House Pressure Test	5,500 psi hydraulic pressure at Room Temperature for 1,000 hours without leakage (1/4" Joint Sealant in flat face ANSI Flange).
Stability	No Age Deterioration. Unlimited Shelf Life

Expanded PTFE Joint Sealant Ideal Applications

- Raise Face & Flat Face Flanges
- Rough, Scratched, Pitted & Otherwise Damaged Flanges
- Pump & Compressor Housing Flanges
- Heat Exchangers
- Metal, Plastic & Glass Lined Flanges
- Round, Oval, Rectangular, Complexed & Irregular Flanges
- Boiler & Pressure Vessel Manholes & Handholes
- Misc. Lids, Access Plates, Ducts, etc.

Everjoy Industrial Supplies Pte. Ltd.

38 Woodlands Industrial Park E1, #04-11 Singapore 757700

Telephone: + 65 6748 3093

Fax: +65 6748 7202

Email: admin@everjoy.com.sg

Sizes Available

Width		Length			
Imperial (inch)	Metric (mm)	Standard Lengths		Bulk Length	
1/8"	3.18	50 ft (15.24 m)	100 ft (30.48 m)	500 ft (15.24 m)	1,000 ft (304.8 m)
3/16"	4.76	75 ft (22.86 m)	150 ft (45.72 m)	500 ft (15.24 m)	750 ft (228.6 m)
1/4"	6.35	50 ft (15.24 m)	100 ft (30.48 m)	250 ft (76.2 m)	500 ft (15.24 m)
3/8"	9.53	25 ft (7.62 m)	50 ft (15.24 m)	150 ft (45.72 m)	250 ft (76.2 m)
1/2"	12.7	15 ft (4.57 m)	30 ft (9.14 m)	100 ft (30.48 m)	150 ft (45.72 m)
5/8"	15.88	15 ft (4.57 m)	30 ft (9.14 m)	100 ft (30.48 m)	150 ft (45.72 m)
3/4"	19.05	15 ft (4.57 m)	30 ft (9.14 m)	50 ft (15.24 m)	100 ft (30.48 m)
1"	25.4	15 ft (4.57 m)	30 ft (9.14 m)	50 ft (15.24 m)	75 ft (22.86 m)

FEATURES

Form-In-Place – conforms to any surface, including rough, pitted, scratched and damaged surfaces.

Flexible – can be installed on round, oval, rectangular and complex surfaces.

Chemically Resistant – made of 100% PTFE resin without fillers or binders; compatible with almost any process fluid (except molten alkalis and elemental fluorine).

Adhesive-Backed – convenient adhesive strip and peel-off backing allow easy installation on both horizontal and vertical surfaces.

Durability – has unlimited shelf-life, shows no age deterioration and *Resist Creep & Cold Flow*.

Installation Guide

1. Select a Joint Sealant that is one third to half the width of the surface to be sealed.
2. Clean sealing surface.
3. Cut off a length of the joint sealant that is several inches longer than the circumference of the seal surface.
4. Remove the release liner.
5. Press the joint sealant on with the adhesive side facing the surface, placing near a bolt hole and apply to the centre of the seal surface, overlapping the ends in an "X" fashion as shown on picture below.
6. Bolt up mating surfaces, using normal bolt torques and proper tightening procedures.



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