

FLOW-TITE

P.T.F.E

Joint Sealant



WHAT EVER THE INDUSTRY
WE HAVE A PART IN IT

Flow-Tite gives total versatility.

Eliminating Retorquing

Flow-Tite is a soft and spongy and will conform easily to all surface irregularities and when compressed forms a thin strong gasket able to continuously seal without retourquing, even at temperatures up to 315 °C.

Flow-Tite is made of 100% pure expanded P.T.F.E.

Flow-Tite can be used in virtually all types of sealing applications replacing most of the traditional sheet gasket materials.

Ideal for use on large complex or damaged sealing surfaces and fragile equipment such as glass, plastic, FRP and ceramics, due to its strong yet conformable nature.

The self-adhesive backing makes its easy to install, even at high temperatures.

Flow-Tite is an UNIVERSAL sealing material for valves, flange gaskets and box packaging.

Flow-Tite has higher resistance to creep and cold flow when sealing in heat exchangers and there is no need for re-tightening after installation.

Property Values

Items	Property Value
Melting Point	327 °C
Minimum	w=3mm 75kg/cm ² (1050PSI)
Bolting Pressure	5mm 100Kg/cm ² (1400PSI)
	6-9mm 125Kg/cm ² (1750PSI)
	13mm 150Kg/cm ² (2100PSI)
Applicable Pressure	Gas 20Kg/cm ² (280PSI)
	Liquid 50Kg/cm ² (700PSI)
Temperature Range	-110 °C ~+ 260 °C
Heat Conductivity	0.03kcal/h.m. °C
Chemical Resistance	Anti-Acid, Anti-Alkali
	Anti-Chemicals
PH Range	0 ~ 14
Tensile Strength	1.4kgf/mm ² (2000PSI)
Creep Relaxation %	40

Exceptional Value

Flow-Tite saves time and money as there is no waste or scrap. **Flow-Tite** costs less than many other gasket materials. By using only a few sizes of **Flow-Tite** large inventories of packing and sheet gasket and costly pre-cut gaskets can be eliminated. Installation time is kept to a minimum since there are no templates, pre-cutting or special fitting requirements.

No pre-cutting and now wasteful scrap saves time and money when sealing large equipment flanges.



Standard Size Range

Part No	Metric	Metric	Imperial	Imperial
FT-03	3mm	30m	1/8"	100ft
FT-05	5mm	23m	3/16"	75ft
FT-06	6mm	15m	1/4"	50ft
FT-09	9mm	7.6m	3/8"	25ft
FT-13	13mm	4.5m	1/2"	15ft
FT-16	16mm	4.5m	5/8"	15ft
FT-19	19mm	4.5m	3/4"	15ft
FT-25	25mm	4.5m	1"	15ft



Size Selection

Effective Sealing Width		Recommended Size of Flow-Tite	
mm	inches	mm	inches
3-6	1/8" - 1/4"	3	1/8"
6-9	5/16" - 3/8"	5	3/16"
10-15	7/16" - 5/8"	6	1/4"
18-24	3/4" - 1"	9	3/8"
27-36	1 1/8" - 1 1/2"	13	1/2"
39-50	1 5/8" - 2"	16	5/8"
50-63	2" - 2 1/2"	19	3/4"
63+	2 1/2" ±	25	1"

Easy Installation

1. Select the correct sealant based on the effective sealing width required, see size selection chart above.
2. Clean the surface to be sealed
3. Remove the backing from the adhesive strip and apply the Flow-Tite on the sealing surface inside the bolt holes and cross the ends at or near a bolt hole 1-2cm.
4. Refer to the torque requirements table and tighten bolts diagonally.

Safe and Versatile

Flow-Tite is non-contaminating and non-ageing. It is suitable for FDU/USDA applications and is also resistant to most chemicals and able to handle a 0-14ph range at temperatures from -268°C to +315°C and pressures from full vacuum to 200Bar (3000PSI) with a P_xT factor of 1.8 million.

Torque Requirements

Pipe	Applicable Pressure	Before Bolting	After Bolting	Std. Thickness After Bolting	Min. Bolting Pressure	
10A~50A	50kg/cm ²	3mm	5mm	0.3~0.4mm	75kg/cm ²	1050PSI
50A~300A	50kg/cm ²	5mm	8mm	0.5~.06mm	100kg/cm ²	1400PSI
50A~300A	20kg/cm ²	6mm	9mm	0.7~0.8mm	125kg/cm ²	1750PSI
50A~300A	20kg/cm ²	9mm	14mm	0.8~0.9mm	125kg/cm ²	1750PSI
50A~300A	20kg/cm ²	13mm	19mm	1.1~1.3mm	150kg/cm ²	2100PSI
300A	20kg/cm ²	16mm	22mm	1.5~1.9mm	150kg/cm ²	2100PSI
300A	20kg/cm ²	19mm	26mm	1.8~2.3mm	150kg/cm ²	2100PSI
300A	20kg/cm ²	25mm	33mm	2.0~2.5mm	150kg/cm ²	2100PSI

Flow-Tite is so versatile and inert to most chemicals, it is perfect for the most challenging applications.



<p>DVGW G95e 014 DIN.3535-3 DIN.3535-6 GERMAN QUALIFIED</p>
<p>PVRC-TTRL ROTT/HOBT ATRS/HOTT U.S.A QUALIFIED</p>

Standard Spool Lengths		
3mm	x	30mtrs
5mm	x	23mtrs
6mm	x	15mtrs
9mm	x	7.6mtrs
13mm	x	4.5mtrs
16mm	x	4.5mtrs
19mm	x	4.5mtrs
25mm	x	4.5mtrs



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