

DEMAND PUREFLEX™ QUALITY



TASK-LINE® SERIES

PureFlex™
INC.

TASK-LINE[®] GASKETS

The original is still the best.

TASK-LINE ADVANTAGES

- Maximum protection
- Zero corrosion rate
- No retorquing after installation
- Blowout protection
- No fabrication or waste
- Reusable
- Non-porous
- Seats easily/
releases easily
- Cryogenic to
+400°F (204°C)

TASK-LINE DESIGN

Through a proprietary process, FDA-approved, pure virgin PTFE resin is compression molded around and through a 304 stainless steel, perforated metal insert. After oven sintering, every gasket undergoes a 15,000-volt spark test to check for pinholes. The porous-free PTFE resin 100% encapsulates the stainless steel insert, isolating it from any fluid contact while in service.

NO MORE FABRICATION; EASY INSTALLATION

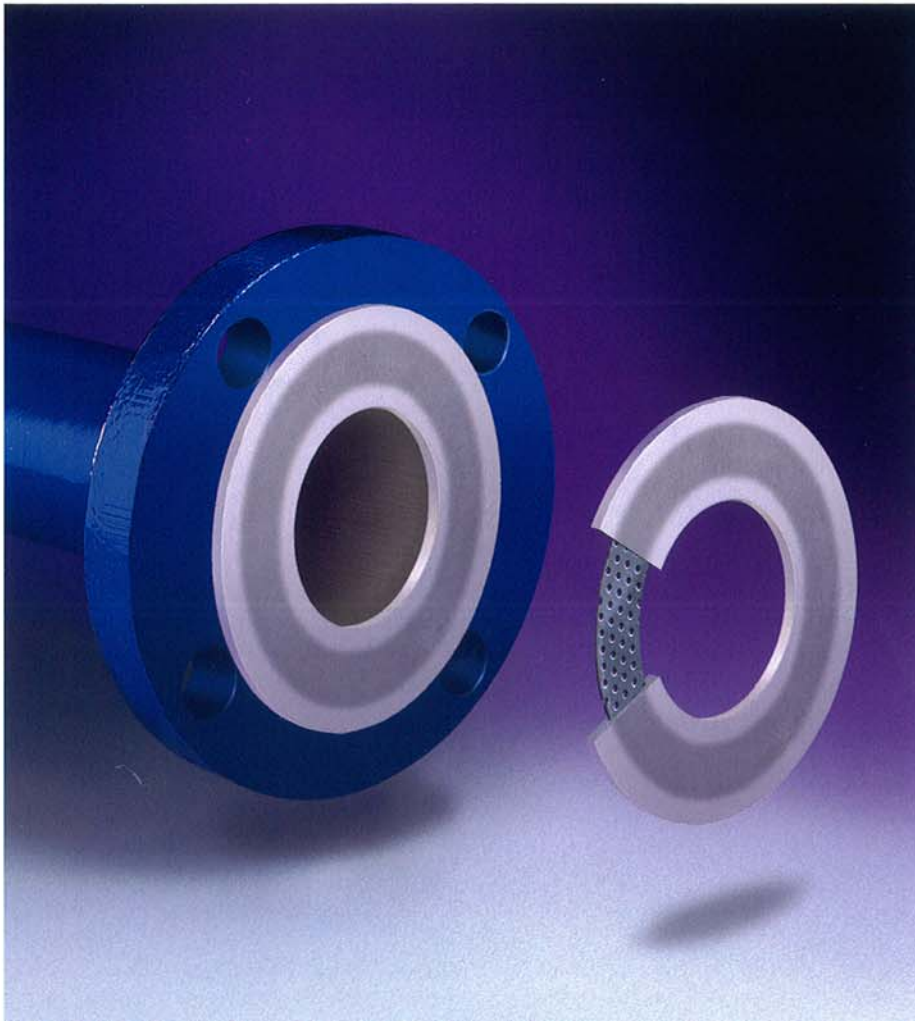
TASK-LINE gaskets are molded to size, 1/2" through 24" in class 150# and 300# ANSI ratings with a thickness of 1/8" or 3/32" (other thicknesses available upon request). Installation is quick and simple. TASK-LINE gaskets are self-aligning and seat easily to any flange in almost any condition.

TASK-LINE BENEFITS

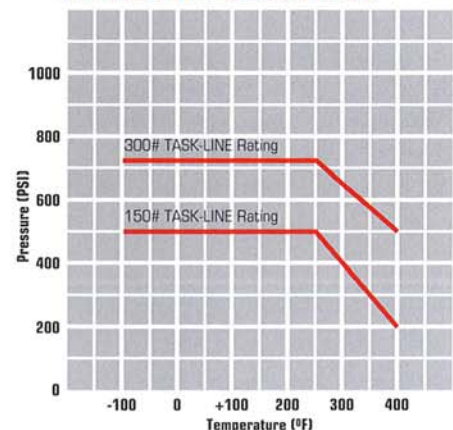
TASK-LINE gaskets have a temperature range of cryogenic to 400°F (consult factory for higher temperatures) and are chemically resistant to: all acids, all chlorides, all sulfates, all bleach solutions, all solvents, all phenols, all caustics, and all peroxides. TASK-LINE gaskets are leak-free and bubble-tight and can be used over and over without sacrificing sealing ability. TASK-LINE gaskets have zero corrosion rates which contribute to lower life-cycle costs when compared to envelope or solid gasket types.

TASK-LINE PERFORMANCE

In terms of performance and longevity, nothing comes close. When installed between two flanges, the PTFE-encapsulated metal insert restricts the PTFE from cold flow/creep while under load. The metal insert prevents radial flow of the gasket which eliminates bolt retorquing after installation, maintaining a tight seal even through repeated temperature cycles. The strength of the metal insert also provides critical, blowout-proof protection. Another benefit of TASK-LINE gaskets is the PTFE's non-stick property which allows it to easily release from flanges during disassembly without any scraping.



PRESSURE-TEMPERATURE LIMITS



Task-Line gaskets have been tested in excess of the above pressures. Consult factory for higher pressure applications.

TASK-LINE GASKETS SIZING TABLE AND PART NUMBERS

SIZE (IN)	PART NUMBER (150# FLANGE)	ID X OD	PART NUMBER (300# FLANGE)	ID X OD
1/2	TLG0050	.500 X 1.875	3TLG0050	.500 X 2.115
1/2 ANSI	ATLG0050	.840 X 1.875	A3TLG0050	.840 X 2.115
3/4	TLG0075	.750 X 2.250	3TLG0075	.750 X 2.625
3/4 ANSI	ATLG0075	1.000 X 2.250	A3TLG0075	1.000 X 2.625
1	TLG0100	1.000 X 2.625	3TLG0100	1.000 X 2.875
1 ANSI	ATLG0100	1.300 X 2.625	A3TLG0100	1.300 X 2.875
1-1/4	TLG0125	1.375 X 3.000	3TLG0125	1.375 X 3.250
1-1/2	TLG0150	1.500 X 3.375	3TLG0150	1.500 X 3.750
1-1/2 ANSI	ATLG0150	1.900 X 3.375	A3TLG0150	1.900 X 3.750
2	TLG0200	2.000 X 4.125	3TLG0200	2.000 X 4.375
2 ANSI	ATLG0200	2.375 X 4.125	A3TLG0200	2.375 X 4.375
2-1/2	TLG0250	2.500 X 4.875	3TLG0250	2.500 X 5.125
3	TLG0300	3.000 X 5.375	3TLG0300	3.000 X 5.875
3 ANSI	ATLG0300	3.500 X 5.375	A3TLG0300	3.500 X 5.875
4	TLG0400	4.000 X 6.875	3TLG0400	4.000 X 7.125
4 ANSI	ATLG0400	4.500 X 6.875	A3TLG0400	4.500 X 7.125
5	TLG0500	5.000 X 7.750	3TLG0500	5.000 X 8.500
6	TLG0600	6.000 X 8.750	3TLG0600	6.000 X 9.875
8	TLG0800	8.000 X 11.000	3TLG0800	8.000 X 12.125
10	TLG1000	10.000 X 13.375	3TLG1000	10.000 X 14.250
12	TLG1200	12.000 X 16.125	3TLG1200	12.000 X 16.625
14	TLG1400	13.250 X 17.750	3TLG1400	13.250 X 19.125
16	TLG1600	15.500 X 20.250	3TLG1600	15.500 X 21.25
18	TLG1800	17.500 X 21.625	3TLG1800	17.500 X 23.500
20	TLG2000	19.250 X 23.875	3TLG2000	19.250 X 25.750
24	TLG2400	23.250 X 28.250	3TLG2400	23.250 X 30.500

Other sizes available upon request.



PureFlex's advanced manufacturing processes yield the highest quality gaskets.

TASK-LINE® LINED PIPE GROUNDING PADDLES

Putting safety first.

TASK-LINE ADVANTAGES

- Save over 60% in procurement and installation
- Protects lined piping and instrumentation
- Zero corrosion rate
- Blowout protection
- Non-porous
- Eliminates scrap waste
- Seats easily
- Comes complete in kit form

RELEASE THE STATIC MONSTER

Special consideration should be given to the transportation of flammable liquids through linings that incorporate a grounded metal backing, such as a steel pipe lined with PTFE or other plastic. The electrical volume resistivity of PTFE-lined pipe is 10^{16} ohm-cm. This value is characteristic of highly insulating materials capable of accumulating dangerous levels of static charge for several hours, even days. Materials having less than or equal to 10^9 ohm-cm are considered to be static dissipative/conductive.

Due to the large, effective capacitance of the PTFE against a steel housing, large surface-charge densities may be formed. These densities give rise to highly energetic, lightning-like sparks in rapid succession known as propagating brush discharges. Such discharges have the potential to ignite most flammable atmospheres and can even ignite some

of the more sensitive dusts. Pinholes in the PTFE liner may also be formed by these strong electrostatic charges. If left unchecked, these pinholes will cause premature pipe failure which will lead to chemical leaks and subsequent environmental concerns.

TASK-LINE DESIGN

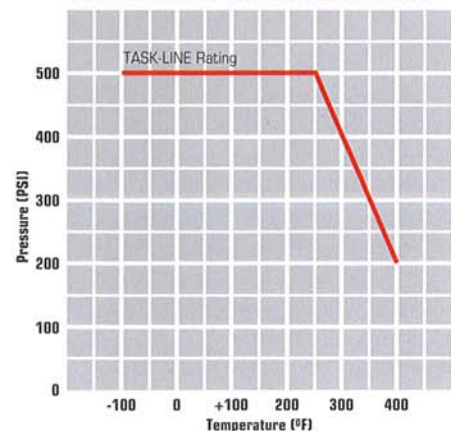
Through a proprietary process, static-dissipating PTFE resin is compression molded around and through a 304 stainless steel, perforated, metal insert. After oven sintering, the porous-free, static-dissipating PTFE resin 100% encapsulates the stainless insert, isolating it from any fluid contact while in service. TASK-LINE lined pipe grounding paddles have conductivity/static dissipating properties (volume resistivity) of less than or equal to 10^9 ohm-cm.

NO MORE FABRICATION OR GASKETS

TASK-LINE lined pipe grounding paddles are molded to size, 1" through 6" (other sizes available upon request) in class 150# ANSI ratings with a thickness of 1/8". The paddle handle extends 2" above the flange and is pre-drilled for grounding hardware and cable (included). TASK-LINE lined pipe grounding paddles self-align and seat easily to any 150# ANSI, lined pipe flange and never require gaskets.



150# PRESSURE-TEMPERATURE LIMITS



COMPATIBLE WITH ALL 150# LINED PIPE SYSTEMS

TASK-LINE LINED PIPE GROUNDING PADDLES SIZING TABLE AND PART NUMBERS

SIZE (IN)	PART NUMBER (150# FLANGE)	ID X OD
1	TGPO100	0.687 X 2.625
1-1/2	TGPO150	1.250 X 3.375
2	TGPO200	1.687 X 4.125
3	TGPO300	2.687 X 5.375
4	TGPO400	3.687 X 6.875
6	TGPO600	5.500 X 8.750

Other sizes available upon request.

TASK-LINE BENEFITS

TASK-LINE lined pipe grounding paddles have a temperature range from cryogenic to +400°F and are chemically resistant to: all acids, all chlorides, all sulfates, all bleach solutions, all solvents, all phenols, all caustics, and all peroxides. TASK-LINE grounding paddles' unusual non-stick property eliminates/reduces ion formation, oxidation and scale build-up, all of which can render alloy paddles useless. TASK-LINE lined pipe grounding paddles come complete in kit form with everything needed for a quick and easy installation.

TASK-LINE GROUNDING PADDLES ARE NON-CONTAMINATING

Independent laboratory testing has proven that TASK-LINE grounding paddles are non-contaminating and non-leaching. This means there is no possibility of process contamination. (Test data available upon request.)

TASK-LINE PERFORMANCE

In terms of performance and longevity, no other grounding paddle compares. When installed between two, lined pipe flanges and grounded to a suitable earth ground, TASK-LINE lined pipe grounding paddles provide a path for static discharges to exit the hostile atmosphere generating inside the lined pipe. The strength of the metal insert inside the grounding paddles provides critical blowout-proof protection. TASK-LINE grounding paddles have zero corrosion rates along with much lower procurement and installation costs when compared to fabricated or competitive alloy paddles. TASK-LINE grounding paddles can also help protect instrumentation devices from inaccurate readings and damage when exposed to static discharges.



Kit form available and includes everything needed for quick and easy installation.

TASK-LINE[®] PIPELINE FLUID BLOCKERS

Nothing gets in. Nothing gets out.

TASK-LINE ADVANTAGES

- Save over 75% in procurement and installation
- Quick and easy installation
- No gaskets required
- No fabrication/waste
- Zero corrosion rate
- Blowout protection
- Reusable
- Non-porous
- Seats easily/releases easily

TASK-LINE DESIGN

Through a proprietary process, FDA-approved, pure virgin PTFE resin is compression molded around and through a heavy-gage, 304 stainless steel, perforated, metal insert. After oven sintering, the porous-free PTFE resin 100% encapsulates the stainless steel insert, isolating it from any fluid contact while in service.

NO MORE FABRICATION OR GASKETS

TASK-LINE pipeline fluid blockers (line blockers) are molded to size, 1" through 6" (other sizes available upon request) in class 150# ANSI dimensions with a nominal thickness of 1/8". Installation and removal are a snap with its integral molded paddle handle. The handle extends 2" above the flange and has a pre-drilled 3/8" hole for tagging (while in service) or hanging (while in storage).

The handle can be factory painted for identification purposes. TASK-LINE line blockers self-align and seat easily to any 150# ANSI flange and never require gaskets.

TASK-LINE BENEFITS

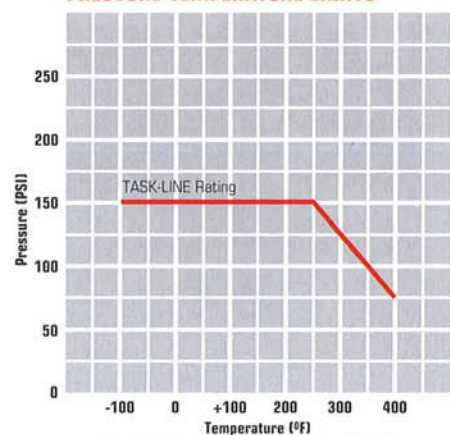
In terms of performance and longevity, TASK-LINE pipeline fluid blockers set the standard. Line blockers have a temperature range from cryogenic to +400°F and are chemically resistant to: all acids, all chlorides, all sulfates, all bleach solutions, all solvents, all phenols, all caustics, and all peroxides. TASK-LINE pipeline fluid blockers are leak-free and bubble-tight and can be used over and over without sacrificing sealing ability. And, TASK-LINE line blockers have zero corrosion rates which contribute to lower life-cycle costs when compared to fabricated or competitive alloy paddles.

TASK-LINE PERFORMANCE

When installed between two flanges, TASK-LINE line blockers block out all pipeline fluid. The PTFE-encapsulated metal insert reduces any radial flow which eliminates bolt retorquing after installation, maintaining a bubble-tight seal. The strength of the metal insert also provides critical, blowout-proof protection. Another benefit of TASK-LINE line blockers is the PTFE's non-stick property which allows it to easily release from flanges during disassembly without any scraping.



PRESSURE-TEMPERATURE LIMITS



TASK-LINE PIPELINE FLUID BLOCKERS SIZING TABLE AND PART NUMBERS

SIZE (IN)	PART NUMBER (150# FLANGE)	OD
1/2	TLB0050	1.875
3/4	TLB0075	2.250
1	TLB0100	2.625
1-1/2	TLB0150	3.375
2	TLB0200	4.125
3	TLB0300	5.375
4	TLB0400	6.875
6	TLB0600	8.750

Other sizes available upon request.

PureFlex Products



Silicone
Ultra-Pure Validated Platinum cured Silicone hose & tubing.



UltraFlex™ PTFE
Ultra-flexible heavy duty convoluted hose.



MultiFlex™ PTFE
Superior flexibility for higher pressure applications.



MTH™ (Metal PTFE Hose)
Flexible metal hose with smooth bore PTFE liner.



FlexChem™
Rubber covered smooth bore FEP hose.



ProFlex™ PFA
Industrial grade, high quality, convoluted hose.



SmoothFlex™
Smooth bore PTFE hose with stainless steel braid.



PVC
Crystal clear FDA approved hose and tubing.



800 series
Lined Composite Butterfly
Severe chemical / ultra-pure applications.



860 series
Resilient seated composite butterfly
Food and chemical services.



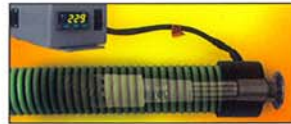
400 series
Composite ball valve Superior features / Chemical services



CL2™
Chlorine/Bromine hose PTFE with PVDF braid.



PureSite™
Unbreakable translucent FEP sight gages.



Heated Hoses
Electrically heat any PureFlex hose up to 450°F

MARKETS

**Chemical Process
Pharmaceutical
Steel
Food Processing
Automotive
Agriculture
Pulp and Paper
Petroleum
Mining
Railroad
Dairy
Textile
Semiconductor**

APPLICATIONS

**Acid Transfer
Pickling
Reverse Osmosis
Steam Transfer
Molding Equipment
Adhesives
Air Actuation
Sanitary Transfer
Purification Systems
Centrifuges
Extrusion Presses
Caustic Wash
High Purity**

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