

Universal Pipe Gasket

Reliable sealing solution for flange connections

Product Brochure



LOW STRESS-TO-SEAL

Helps provide dependable sealing performance with reduced flange loading requirements.



CHEMICAL RESISTANCE

100% ePTFE construction offers broad chemical resistance across demanding applications.



RING & FULL FACE

Available in ring and full face formats for ASME and EN flange standards.

Universal Pipe Gasket (Style 800) is engineered for reliable sealing in a broad range of flange materials and services. Manufactured from 100% expanded PTFE, it combines low stress-to-seal, dimensional stability and chemical resistance, making it suitable for demanding industrial piping applications.



Engineered Piping Components

www.ytmpipe.com | +90 (535) 269 02 92

UNIVERSAL PIPE GASKET

Style 800

100% expanded PTFE gasket for industrial flange sealing

YTMPipe Universal Pipe Gasket is a 100% expanded PTFE gasket with multidirectional strength, designed to reliably seal a broad range of flange materials. It provides low stress-to-seal performance, excellent dimensional stability, and strong chemical resistance for demanding industrial piping applications.



LOW STRESS-TO-SEAL

Helps achieve dependable sealing with lower bolt load requirements.



100% ePTFE

Expanded PTFE construction with multidirectional strength and dimensional stability.



CHEMICAL RESISTANCE

Suitable for a wide pH range from 0–14, except molten alkali metals and elemental fluorine.

TECHNICAL INFORMATION

Product Type	Universal Pipe Gasket
Style	800
Material	100% expanded PTFE (ePTFE), with multidirectional strength
Typical Use Range	-60 °C to 230 °C (-76 °F to 446 °F); industrial full vacuum to 40 bar (580 psi)
Maximum Use Range	-269 °C to 315 °C (-452 °F to 600 °F); full vacuum to 210 bar (3,000 psi)
Chemical Resistance	pH 0–14, except molten alkali metals and elemental fluorine
Shelf Life	ePTFE is not subject to aging and can be stored indefinitely

TYPICAL APPLICATION CONDITIONS

Flange Material	Pressure	Min. Stress-to-Seal	Max Temp.	Max Pressure	Recommended Thickness
Glass Lined Steel	20 MPa (2,900 psi)	10 MPa (1,450 psi)	230 °C (446 °F)	10 bar (145 psi)	6.0 mm (1/4")
FRP	10 MPa (1,450 psi)	5 MPa (725 psi)	100 °C (212 °F)	16 bar (232 psi)	3.0 mm (1/8")
Steel	20 MPa (2,900 psi)	10 MPa (1,450 psi)	230 °C (446 °F)	40 bar (580 psi)	1.5 mm (1/16") or 3.0 mm (1/8")

AVAILABLE SIZES & STANDARDS

- Available as ring or full-face gaskets
- ASME B16.21: Class 150 and Class 300
- NPS range: 1/2 to 24 depending configuration
- EN 1514-1: PN 2.5, PN 6, PN 10, PN 16, PN 25, PN 40
- DN range: DN 10 to DN 800 depending configuration
- Special cut sizes available upon request

CERTIFICATIONS & APPLICATION INFORMATION

- TA Luft
- Oxygen Service (BAM)
- Chlorine Service
- Natural Gas Service (DVGW Type Examination)
- Marine & Offshore applications (ABS)
- Leachable Fluoride and Chloride
- Safety Datasheet
- ISO 9001

i For applications outside the typical operating range, application-specific engineering review is recommended.