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Брянск (4832)59-03-52
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Пенза (8412)22-31-16

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Ярославль (4852)69-52-93

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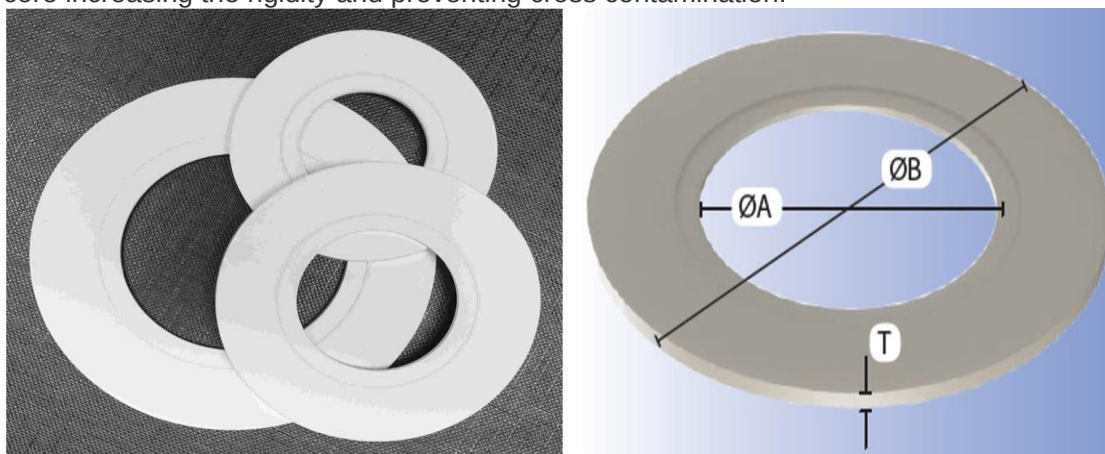
Казахстан (772)734-952-31

<https://mvi.nt-rt.ru/> || mav@nt-rt.ru

Expanded PTFE Gasket

Expanded PTFE gasket and seal materials consists of virgin PTFE with multidirectional fibrous and porous structure, which the extruded PTFE consists of a special manufacturing process provides the material with special chemical and physical properties. Expanded PTFE resists cold flow and creep while offering the widest range of sealability, chemical resistance, and temperature service of any material offered.

MVI represents the state of the art in gasket technology, a pre-compressed piping gasket produced wholly from multi-directionally expanded PTFE. It is designed for use across the pharmaceutical and chemicals industries combining the corrosion performance and inertness of PTFE with a physical construction that produces an excellent gasket material. PTFE and PFA lined piping systems do not usually require gaskets to maintain joint integrity. However, there are exceptions to this rule where joints are made and broken regularly, where lined equipment is joined to dissimilar materials or where gasketing has been selected as a site wide standard. MVI fulfills not only the gasketing needs of a lined piping system, but can also be used as the gasket of choice across all piping applications. Capable of meeting all types of flange standards, having almost universal corrosion resistance and handling a wide temperature, pressure and vacuum range they have countless applications. The multi-directional expanded PTFE improves the mechanical properties of PTFE making it highly conformable enabling it to achieve incredible levels of integrity across a comprehensive range of materials and flange types. The gaskets are manufactured to conform to ASME B16.21, the gasket fits within the inner bolt circle (IBC) of the flanges providing as easy and safe installation. They are dimensionally stable and have a pre-compressed core increasing the rigidity and preventing cross contamination.



Expanded PTFE Gasket

Application

Expanded PTFE gasket is designed for use in process piping and equipment in chemical, pulp and paper, food and beverage and other general industrial applications where resistance to highly aggressive chemicals is required.

Specification

Item	Test method	Value
Compressibility	ASTM F36A—99	45 %
Recovery	ASTM F36A—99	≥10 %
Tensile strength	ASTM 152—95	10~11MPA
Temperature	-	-180~260°C
Density	ASTM D 792	0.7-0.8g/cm 3
PH range	-	0-14
Leak rate	GB/T9129—2003	<1.0×10-3cm3/s

Feature

Full chemical resistance like solid sintered PTFE

Best adaptation on uneven surfaces and affected sealing faces

Long lasting gasket solution for extreme aggressive Media

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