

PTFE Envelope Gasket



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MS ISO/IEC 17021:2011
QS26122016 CB 16



Certificate Number : FM 646287
ISO 9001 : 2015

PTFE-enveloped gaskets consist of:

- A stable gasket insert for structural integrity.
- A PTFE envelope that offers excellent chemical resistance and non-stick properties.

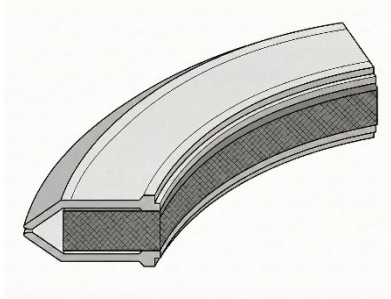
Key Feature & Benefits

- **Wide Temperature Range**
 - Proven to perform excellently in fluctuating pressures and temperatures ranging from **-195 °C to +250 °C.**
- **Versatile Compatibility**
 - Suitable for connecting glass tubes, metal-reinforced glass tubes, and glass equipment in laboratory and pilot-scale installations.
 - Compatible with enamelled, coated, or lined pipes and equipment in large industrial plants.
- **Chemical Resistance**
 - Highly resistant to aggressive chemicals, making them ideal for use in the chemical industry.
 - PTFE is physiologically harmless, allowing its use in the food and pharmaceutical sectors.
- **Anti-Adhesive Properties**
 - PTFE is extremely anti-adhesive, ensuring a non-stick effect.
 - No material adheres to the PTFE surface.

Technical data

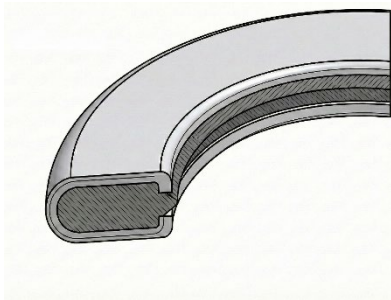
	Test Method	Specified Value	Unit
Ultimate Tensile Strength	ASTM D1708	24-36	N/mm2
Elongation	ASTM D1708	300-400	%
Compressive Modulus	ASTM D695	700	N/mm2
Hardness	Shore D	56	-
Dielectric Strength	ASTM D149	59	kV/mm
Chemical Resistance	EXCELLENT		-

- Aerolite PTFE envelope gaskets are available in 3 different styles as below:



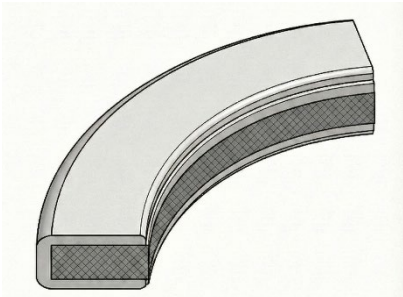
TYPE V

Split-type, suitable for most applications



TYPE C

Machined round-edge type, for use with toxic chemicals and on large diameter gaskets



TYPE U

Machined square-edge type, for use with thick inserts and abrasive fluids

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