

# POWER<sup>®</sup>flon UNI

Product name:	<b>POWER<sup>®</sup>flon UNI</b>	Material data sheet No.:	<b>D – 0044-0-EN</b>	Date:	15.03.2022
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**POWER<sup>®</sup>flon UNI** is a non-asbestos gasket material made from pure, expanded, virgin PTFE. The whole production process is subject to strict quality control, registered under DIN EN ISO 9001.

## Application areas:

Because of the excellent thermal and chemical resistance of **POWER<sup>®</sup>flon UNI**, it can be used in a wide variety of static applications in nearly all kinds of the industry. The exceptional malleability of expanded PTFE can compensate for out-of-parallel and/or damaged sealing surfaces and allows use with stress sensitive connections and applications where only a limited flange load is available, e.g. plastic flanges, glass flanges, etc.

Typical applications are the sealing of flanges, pump housings, compressors, hand- and manholes, air ducts, compensators, heat exchangers and many more.

## Technical data:

**Temperature range:** ... -240°C up to +270°C, for short periods up to +310°C

**Chemical resistance:** ... resistant against all chemicals from pH 0-14  
-except molten alkali metals and elemental fluorine at high temperature and pressure

**Pressure resistance:** ... vacuum up to 200 bar

**Density:** ..... 0,65 g/cm<sup>3</sup>, +/- 0,1g/cm<sup>3</sup>

**Aging resistance:** ..... **POWER<sup>®</sup>flon UNI** does not age (please note: adhesive tape has limited shelf life!) and is UV-resistant

**Colour:** ..... white

**Others:** ..... **POWER<sup>®</sup>flon UNI** is physiologically harmless. It has no smell or taste. It is neither contaminating nor toxic. It fulfills the FDA 21 CFR 177.1550 Perfluorocarbon Regulations.

## RECOMMENDED TAPE SIZES

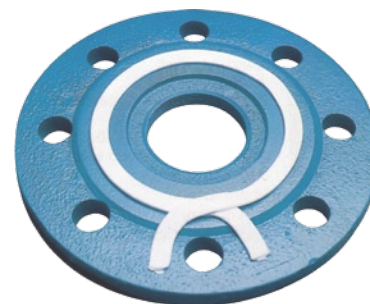
Nominal flange diameter [mm]	Recommended tape size [mm]
<b>until DN 50</b>	<b>3 x 1,5</b>
<b>until DN 200</b>	<b>5 x 2,0</b>
<b>until DN 600</b>	<b>7 x 2,5</b>
<b>until DN 1500</b>	<b>10 x 3</b>
<b>over DN 1500</b>	<b>12 x 4</b>
<b>over DN 1500</b>	<b>14 x 5</b>
<b>over DN 1500</b>	<b>17 x 6</b>
<b>over DN 1500</b>	<b>20 x 7</b>
<b>over DN 1500</b>	<b>22 x 5</b>
<b>over DN 1500</b>	<b>25 x 5</b>
<b>over DN 1500</b>	<b>28 x 5</b>
<b>over DN 1500</b>	<b>40 x 5</b>

## Advantages:

- + Quick and simple installation: adhesive strip makes installation easier
- + Reduced down time: immediately available, no cutting or punching of gasket necessary
- + Reduced stock: a few spools of different sizes cover most applications within a plant
- + No risk: the versatility of **POWER<sup>®</sup>flon UNI** eliminates the risk of using wrong material for a certain application – this prevents avoidable breakdowns
- + No waste: **POWER<sup>®</sup>flon UNI** is a gasket from a spool, no material gets wasted

## Crossover Mounting

For **POWER<sup>®</sup>flon UNI** type only. Cross the both sealant tape ends under the bolt hole.



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All technical data and recommendations given are based on our experiences. However, we do not undertake any liability whatsoever. All data and values have to be checked by the user, since the effectiveness of a seal can only be judged correctly by evaluating all data and parameters directly on site. The stated parameters are approximate and may be mutually influenced if occurring together. Please contact us in case of difficult or special applications.

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