

## **Expanded PTFE tape, sticker type ePTFE-MOAX**

Teflon tape sticker is made from pure, expanded PTFE. The resulting technological process microporous fibrous structure gives the product its unique mechanical properties. For fixing on the sealing surface has an adhesive strip covered with protective tape.

With increasing surface pressure bar type MOAX maintain a constant thickness to protect the sealing surface. In extreme operating conditions are observed minimal changes in bandwidth.

Extremely high pressures applied to the sealing surface of ePTFE-MOAX bar possible even at low linear forces.

### **Product details:**

- **Material** – pure expanded PTFE, microporous fibrous structure
- **Chemical resistance** – resistant to all media in the range of pH of the medium from 0 to 14 with the exception of molten and molten alkali metals and elemental fluorine at  $t > 150\text{ °C}$  and  $p > 40\text{ bar}$ .
- **Resistance to aging** – a safe (permissible) application environment, there was no aging of the device. Depending on environmental conditions adhesion of the adhesive strip may be reduced
- **Operating temperature range** – from  $- 240\text{ °C}$  to  $+ 270\text{ °C}$ , briefly up to  $+ 315\text{ °C}$  (from  $- 400\text{ °F}$  to  $+ 518\text{ °F}$ , short to  $+ 600\text{ °F}$ ).
- **Physiological safety** – contains only 21 components complying with FDA requirements for use in food contact FDA21CFR 177.1550 (a) (1) and (b).
- **Pressure** – pressure depends on the installation and operating parameters
- **Specific maximum force to break** – exceeding  $1200\text{ Ncm/g}$

### **Application:**

- Flanges – all types of flanges in frictional connection
- Components – pipes, pumps, equipment, expansion, ventilation and air conditioning systems
- Materials – glass, ceramics, graphite, aluminum, metal materials and rubber

### **Recommended sizes**

- |           |                                        |
|-----------|----------------------------------------|
| ➤ DN 50   | 3x1,5 mm                               |
| ➤ DN 200  | 5x2 mm                                 |
| ➤ DN 600  | 7x2,5 mm до 10x3 mm                    |
| ➤ DN 1500 | 10x3 mm до 12x4 mm; 12x4 mm до 40x5 mm |

### **Tests and certificates:**

**BAM** – for use in steel flanges, copper and copper alloy flat areas for sealing pressure of oxygen to 100 bar (10 MPa) and temperatures up to + 90 °C (363 K).

**DVGW** – suitable for gas at p=16 bar (1,6 Mpa) and temperatures from – 10 °C to + 70 °C ( from 263 F to 343 F).

**TUV** – product characteristics and production are voluntarily tested and constantly monitored by TUV.

