HENNLICH & ZEBISCH GesmbH • A-4780 Schärding • Alfred-Kubin-Straße 9a-c • Tel. 07712/3163-0 • Fax DW-33 • dichtungstechnik@hennlich.at • www.hennlich.at

HENNLICH MULTI-X

HENNLICH MULTI-X is a multidirectionally expanded gasket-tape, produced from 100 % pure PTFE (Polytetrafluorethylen).

Application areas:
HENNLICH MULTI-X – due to its excellent malleability – is particularly well suited to compensate for irregularities or damages on the sealing areas, as well as for all stress-sensitive joints. A special manufacturing process results in almost equal tensile strength in both the longitudinal and cross direction. As a result of this, the material does not change its width under compression. This is in stark contrast to normal expanded PTFE tapes! HENNLICH MULTI-X, because of this property, is extremely well suited as a gasket material for narrow sealing areas and in all applications where a defined gasket width (under load) is required.

Typical applications are enamelled and glass flanges, heat exchangers, large flanges and containers, pressure vessels, suction filters and strainers, etc.

Advantages:

- ✓ quick and simple installation, no cutting or punching necessary
- ✓ the used gasket can be easily removed without leaving any deposits on the sealing areas
- ✓ excellent malleability makes the repair of minor damages and irregularities unnecessary
- ✓ extremely versatile because of exceptionally good chemical and thermal stability
- ✓ there is less danger of choosing the wrong gasket material because HENNLICH MULTI-X can be used for most applications within the plant
- ✓ longer gasket life (less downtime)
- ✓ no material waste
- ✓ low stock cost

Technical data:

• PTFE Temperature range: -268 °C to +260 °C (short time +315 °C)
• Chemical resistance: chemically inert against most substances (pH 0 – 14), including the most aggressive acids and lyes. The only exceptions are molten alkali metals and elemental fluorine at high temperatures and high pressure
• Ageing: HENNLICH MULTI-X does not age and can be stored indefinitely. (Please note: the adhesive tape has limited shelf life)
• Minimum stress to seal Qmin/L
(EN 13555 HE, 40 bar)*
L[mg/s*m] 10^{-2} Qmin/L [MPa] = 23
L[mg/s*m] 10^{-3} Qmin/L [MPa] = 31
* tested with 2.0mm thickness
• Recovery (ASTM F36): 10 %
• Compressibility (ASTM F36): 70 %

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Typical application range:

- Temperature range: -60 °C up to +230 °C
- Operating pressure: from vacuum to 40 bar

For details on applications with higher temperatures and / or pressure please contact HENNLICH application engineering!

Tests & Approvals:

- FDA (incl. adhesive backing)
- EU 1935/2004
- TA-Luft
- WRAS