



PTFE PACKING PT5500 OX BAM

Composition

100% PTFE Multifilament yarns for oxygen use


Characteristics

The PT5500 OX packing is a reliable solution for applications that require the use of PTFE. Made with pure PTFE multifilament yarns, this packing has obtained BAM approval for use with Gaseous Oxygen under specific conditions of $T_{max}=60^{\circ}\text{C}$ and $P_{max}=30$ Bar. This packing can also be used for normal services where the use of PTFE is required, up to a maximum temperature of $T=260^{\circ}\text{C}$. In addition, the PT5500 OX is suitable for use in cryogenic applications, with a maximum pressure of $P=500$ Bar, although it is important to remember that minimum/maximum temperatures and maximum pressures should not be associated. With these features, the PT5500 OX packing is a versatile and reliable option for applications that require a high level of sealing and resistance to high temperatures and pressures.

Applications

The PT5500 OX packing has been specifically designed for oxygen service applications and has obtained BAM approval for use with oxygen. In summary, the PT5500 OX packing is a highly specialized product that guarantees high performance and reliability in the field of oxygen service, but which also lends itself to a wide range of static applications where fluid sealing is required in the presence of high temperatures and pressures.

Tech Data

| | P bar | lbf/in2 | Vm/S | f/pm | pH | T°C | T°F |
|---|-------|---------|------|------|--------|------|-------|
|  | 30 | 450 | 1 | 200 | 0 ÷ 14 | ÷ 60 | ÷ 140 |

- Never use the product to the maximum temperature and pressure associated. Consult the manufacturer for further information
- The peak temperature can be sustained for short exposures



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The family of the PTFE articles include a wide range of braided packings that can cover all applications that require the use of this material. White PTFE yarn is commonly used in gland sealing systems, both in static and dynamic applications with moderate-speed, thanks to the properties of this material, which ensures efficient and reliable sealing that can cover almost the entire pH range. The packings are available in both dry and lubricated configuration, in combination with other fibers such as aramid or with a rubber core. Among the special products are those intended for use with food and for oxygen service.



The information in this publication, as well as any additional information provided to users, is based on experience and is shared to the best of our current knowledge. However, due to numerous factors beyond our knowledge and control that may affect the use of these products, no warranties are provided or implied regarding this information. The operating limits presented in this publication do not imply that these values can be applied simultaneously. Do not use the product at the maximum temperature and pressure values simultaneously. The maximum temperature is suitable only for short-term exposure under specific conditions. Specifications are subject to change without prior notice. The picture in the DS may not accurately depict the exact color and/or markings of the product.



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| Sezione mm | Sezione inch | kg/box | lbs/box | mt/box | ft/box | mt/kg | ft/lbs |
|------------|--------------|--------|---------|--------|--------|-------|--------|
| 3 | 1/8" | 1 | 2.2 | 58.8 | 192.9 | 58.8 | 87.6 |
| 4 | - | 1 | 2.2 | 37.0 | 121.4 | 37.0 | 55.1 |
| 5 | 3/16" | 1 | 2.2 | 20.0 | 65.6 | 20.0 | 29.8 |
| 6 | - | 2.5 | 5.5 | 41.7 | 136.8 | 16.7 | 24.8 |
| 6.5 | 1/4" | 2.5 | 5.5 | 35.7 | 117.1 | 14.3 | 21.3 |
| 8 | 5/16" | 2.5 | 5.5 | 25.0 | 82.0 | 10.0 | 14.9 |
| 9.5 | 3/8" | 2.5 | 5.5 | 18.5 | 60.7 | 7.4 | 11.0 |
| 10 | - | 2.5 | 5.5 | 16.7 | 54.8 | 6.7 | 10.0 |
| 11 | 7/16" | 2.5 | 5.5 | 13.9 | 45.6 | 5.6 | 8.3 |
| 12 | - | 2.5 | 5.5 | 11.4 | 37.4 | 4.5 | 6.8 |
| 12.7 | 1/2" | 2.5 | 5.5 | 10.4 | 34.1 | 4.2 | 6.2 |
| 14 | 9/16" | 5 | 11 | 17.2 | 56.4 | 3.4 | 5.1 |
| 16 | 5/8" | 5 | 11 | 13.0 | 42.7 | 2.6 | 3.9 |
| 17.5 | - | 5 | 11 | 11.6 | 38.1 | 2.3 | 3.5 |
| 18 | 11/16" | 5 | 11 | 10.2 | 33.5 | 2.0 | 3.0 |
| 19 | 3/4" | 5 | 11 | 9.3 | 30.5 | 1.9 | 2.8 |
| 22 | 7/8" | 5 | 11 | 6.9 | 22.6 | 1.4 | 2.1 |
| 25.5 | 1" | 5 | 11 | 5.4 | 17.7 | 1.1 | 1.6 |

- The weight per meter and the packaging's weight may have a tolerance of +/- 10%. Other sizes and packaging are available on demand.



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GLOBAL SEALING SOLUTIONS

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