



PTFE PACKING PT5500 OXYGEN 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.

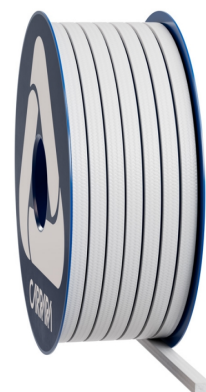
Applications

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



PTFE Packing PT5500 OXYGEN BAM

The Carrara product range of PTFE packings includes various configurations for all industrial applications. 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. Visit our [Compression Packing Stock](#) page. Carrara offers a wide range of sizes and materials available for immediate shipment.

TEST REPORT
On Testing a Nonmetallic Material for Reactivity with Oxygen

BAM reference 15019234 E

Copy 1st copy of 2 copies

Customer Carrara S.p.A.
Via Provinciale, 1/E, 25030 Adro (BS), Italy

Order date April 1, 2015

Reference PO 1510420

Receipt of order April 2, 2015

Test samples Packing material die-formed braided PTFE packing, style Carrara ZPT5500 OX, production batch 15019234, BAM Order-No.: 2.152.005

Receipt of samples April 9, 2015

Test date April 11 to August 13, 2015

Test location BAM - Working Group "Safe Handling of Oxygen":
Building No. 41, room nos. 071 and no. 100

Test procedure according to ISO 21010:2014 and DIN EN 1591:2002-02
"Oxygen Vessels - Gas/Material Compatibility"
Annex of Code of Practice M 634-1 (BSI 475 1)
"List of nonmetallic materials compatible with oxygen" by German Social Accident Insurance Institution for the non-metallic and chemical industry, Edition: March 2014
"TECH 407 Technical Rules for Hazardous Substances"
"Tiefgefrieren mit Gasen - Gefährdungsbeurteilung"
"chapter 4 'Informationsvermittlung und Gefährdungsbeurteilung' and chapter 4 'Schutzmaßnahmen bei Tätigkeiten mit Gasen', Edition: June 2015"

Safety Related Maximum Operating Conditions See chapter 4 "Summary and Evaluation"

All pressures of this report are excess pressures.
This test report consists of pages 1 to 4 and annexes 1 and 2.
This test report may only be published, fully or partially, without any additions. A possible written consent shall be obtained from BAM Karlsruhe and for any amended reproduction or the publication of any excerpts. The content of the test report refers exclusively to the subject matter tested.
The German version is legally binding, except an English version is issued exclusively.
2015-06 / 2015-08-17
Sicherheits- und Technik-Lab GmbH

BAM
Bundesanstalt für Materialprüfung und -prüfung
10300 Berlin, Germany
P: +49 30 8104-0
F: +49 30 8104-7 2333

TEST REPORT



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.

CARRARA
GLOBAL SEALING SOLUTIONS

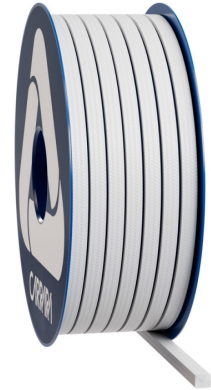
Carrara S.p.A.,
Via Provinciale 1/E - 25030 Adro - BS - Italia
tel. +39 030 7451121 / fax +39 030 7451130
www.carrara.it - info@carrara.it



PTFE PACKING PT5500 OXYGEN BAM

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.



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.

CARRARA
GLOBAL SEALING SOLUTIONS

Carrara S.p.A.,
Via Provinciale 1/E - 25030 Adro - BS - Italia
tel. +39 030 7451121 / fax +39 030 7451130
www.carrara.it - info@carrara.it