



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 $T_{max}=60^{\circ}C$ 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 $T=260^{\circ}C$. 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/in ²	Vm/S	f/pm	pH	T°C	T°F
	30	450	1	200	0 ÷ 14	÷ 60

- Never use the product at its maximum rated temperature and pressure. Consult the manufacturer for further information.
- The peak temperature can be sustained only for short exposure periods.



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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 1501928-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 P01510420

Receipt of order April 2, 2015

Test samples Packing material die-formed braided PTFE packing, style Cersa 2715500 OX, production batch 1501078, BAM Order-No. 2.15/2 605

Receipt of samples April 9, 2015

Test date April 17 to August 13, 2015

Test location BAM - Working Group "Safe Handling of Oxygen": building no. 41, room no. 073 and no. 100

Test procedure according to ISO 20102/2014 and DIN 1991-2005-02
"Determination of the reactivity of nonmetallic materials with oxygen"
Annex E of code of practice M 034-1(BG) 677-10
"List of inorganic materials compatible with oxygen", by German Federal Institute for Materials Research and Testing
Annex E of code of practice M 034-1(BG) 677-10
TRGS 405 "Technical Rules for Hazardous Substances"
"Impacts mit Gasen - Gefährdungsbewertung" (Impacts with Gases - Risk Assessment) and
chapter 4 "Sicherheitsmaßnahmen bei Tätigkeiten mit Gasen", Edition June 2013

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

All pressures of this report are excess pressures.
This test report consists of page 1 to 6 and annexes 1 and 2.

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TEST REPORT



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GLOBAL SEALING SOLUTIONS

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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 weight may have a tolerance of $\pm 10\%$. Other sizes and packaging options are available on request.



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