



# 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.

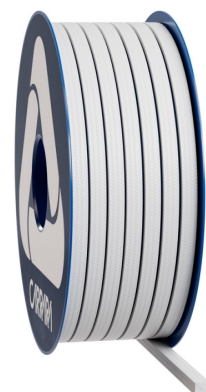
## Applications

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 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.

TEST REPORT		BAM	
On Testing of Nonmetallic Material for Reactivity with Oxygen		BAM Bundesanstalt für Materialforschung und -prüfung 12205 Berlin, Germany P +49 30 8104-0 F +49 30 8104-7 2122	
BAM reference	15019294 E		
Copy	1 <sup>st</sup> 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 15019294, BAM Order-No.: 2.152 625		
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. 120		
Test procedure according to	ISO 21610:2014 and DIN EN 1591:2002-02 "Oxygen Vessels - Gas Pressure Compatibility" Annex of Code of Practice for Gaseous Oxygen (ISO 10130) "List of materials - materials compatible with oxygen", by German Social Accident Insurance Institution for the non-metallic and chemical industry, Edition: March 2014 TSCS 407 Technical Rules for Hazardous Substances "Festlegen mit Gasen - Gefährdungsbeurteilung" Kapitel 4 "Technische Regeln und Gefährdungsbeurteilung" und Kapitel 4 "Schutzmaßnahmen bei Tätigkeiten mit Gasen", Edition: Juni 2010		
Safety Related Maximum Operating Conditions	See chapter 4 "Summary and Evaluation"		
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TEST REPORT



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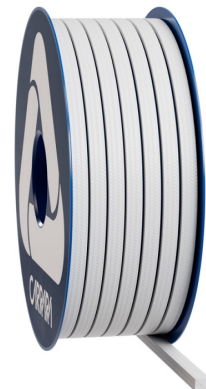
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# PTFE PACKING PT5500 OXYGEN BAM

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.



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