

Composition

Pure flexible graphite

Characteristics

PLANIGRAPH V48Z OXYGEN rings ensure safe and reliable performance in environments with liquid and gaseous oxygen. Certified according to BAM specifications, they provide effective protection against oxidation. When used in stems, assistance from GR80SGR OXYGEN braided wiper rings (BAM report 2-28/2015E) or PLANIGRAPH V48ZN OXYGEN nickel-reinforced graphite rings (BAM report 2-1948/2014E) is recommended.

Applications

Made with highly pure graphite, PLANIGRAPH V48Z OXYGEN expanded graphite rings offer high quality and reliability for applications involving liquid and gaseous oxygen.

Tech Data

Maximum Temperature C°	Maximum Oxygen Pressure bar
up to 60	420
> 60 to 280	250

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

• The dimensional tolerances of the molded products refer to the Carrara Spa standard, unless otherwise agreed.



PLANIGRAPH V48Z OXYGEN BAM

PLANIGRAPH V48Z OXYGEN graphite rings are BAM certified for use with both liquid and gaseous oxygen. These expanded graphite rings are designed for services involving liquid and gaseous oxygen (BAM report 2-1949/2014 E), serving for stem or as fire-safe seals for closures and as packing for ball valve seats.

on Testing	Report a Nonmetallic Material for Reactivity with Oxygen	Bundesa Materialf
		und -prü
Reference Number	2-1949/2014 E	
Сору	1. Copy of 2 Copies	
Customer	CARRARA S.p.A. Via Provinciale, 1/E 25030 Adro (BS) Italien	
Order Date	August 4, 2014	
Reference	Order No.: 1411295	
Receipt of Order	August 11, 2014	
Test Samples	Die-formed flexible graphite ring Planigraph ZV48Z OXY, undiedioaed batch, for use as a sealing material in piping, valves and fittings or other components for gaseous oxygen service at temperatures up to 280 °C and for ficuld oxygen service; BAM-Order No.: 2.1/52.220	
Receipt of Samples	August 7, 2014	0
Test Date	August 22, 2014 to February 6, 2015	-
Test Location	BAM - Working Group "Safe Handling of Oxygen"; building no. 41, room no. 073 and no. 120	Ω.
Test Procedure or Requirement According to	DN E.B. V1972-2020.20 Chryopint Viscais - Gan/Matrial Compatibility' ISO 2101 2204-07 Chryopint Viscais - Gan/Matrial Compatibility' Annex of pamphilet M G34-11 (IGI 617-1) "List of nometaline makrisis compatibility with oxygon by BAM Federal institute for Matrial Research and Tetring", by Benitogeneogeneous Richtshift und chemische Induktien,	
	TRGS 407 Technical Rules for Hazardous Substances "Tätgkviten mit Gasen - Gefähldungsbeutellung" chapter 3"Informationsermittung und Gefähldungsbeutellung" and chapter 4 "Schutzmaßnahmen bei Tätgkaiten mit Gasen" Editori. June 2013	ູ
This test report consi	eport are excess pressures. sts of page 1 to 6 and annex 1 to 4.	LLI L
This testreport may only be publi obtained from BAM for any ameri refer exclusively to the tested may	shed in full and with out any additions. A nevocable permission in writing has to be ded-expreduction of this certificate or the publication of any excerpts. The test results write.	1
	est report is available, exclusively the German version is binding.	10973



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