

Composition

Pure flexible graphite

Characteristics

ZV48Z OXY 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 ZGR80SGR OXY braided wiper rings (BAM report 2-28/2015E) or ZV48ZN OXY nickel-reinforced graphite rings (BAM report 2-1948/2014E) is recommended.

Applications

Made with highly pure graphite, ZV48Z OXY 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
Carrara S.p.A., Via Provinciale 1/E 25030 Adro - BS - Italia - tel. +39 030 7451121 - fax +39 030 7451130 - http://www.carrara.it - info@carrara.it

	\sim	BAM
on Testing :	R e p o r t a Nonmetallic Material for Reactivity with Oxygen	Bundesanstalt für Materialforschung und -prüfung
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 Valvograph ZV48Z OXY, undisclosed 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 liquid 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	
Test Procedure or Requirement According to	DN EN 11972 2020-22 Cyngenic Vessen - GasMaterial Compatibility' ISO 21010-3004-07 Cyngenic Vessen - GasMaterial Compatibility' Expression Statute Compatibility' Expression Statute OMartel Research and Testing', by Bendgenoseencoult Robatic and chemicide Industrie, TRSS 407 Technical Relies for Macandous Substances "Taligutete mild Gesen - Getterbungsbeutellung" chapter 4 "Schutzmalinatime bei Tatigueten mil Gasen' Editori, Jan 2013	ST RE

Graphite ring ZV48Z OXY BAM approved

ZV48Z OXY 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.



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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