





Fraunhofer TESTED® DEVICE Jung Rubbertec Jugitec ISOflex Plus Report No. JU 1511-794

Statement of Qualification

Hydrogen Peroxide Absorption/Desorption

Statement of Qualification

Customer

Component tested

Jung Gummitechnik GmbH Robert-Bosch-Strasse 12 64683 Einhausen Germany

charge number: prototype)

Test result/Classification

test result:

Øk-v

The k-value represents the required decay time to reduce the hydrogen peroxide vapor concentration measured at the beginning of the aeration phase to one tenth of the original concentration. The material classification is based on three separate measurements. The blank value of the test setup is subtracted from each measurement value. The average k-value is transferred to the following classification:

• < 5 min:

- 5-15 min:.... • 15-60 min:..
- >60 min: ... Not determine

k-values.

The measuring devices used for the qualification tests are calibrated at regular intervals; their results can be traced back to national and international standards. In cases where no national standards exist, the test procedure implemented complies with the technical regulations and norms applicable at the time of the test. The relevant documentation can be viewed on request at any time.

For further information about the test environment and parameters, please refer to the Fraunhofer IPA test report.

Fraunhofer Institute for Manufacturing Engineering and Automation IPA

Stuttgart, December 11, 2015 Place, date of first document issued

Department of Ultraclean Technology and Micromanufacturing

Nobelstrasse 12 70569 Stuttgart Germany

Place, current date

on behalf of RTRi Frank Bürger, Project Manager Fraunhofer IP

Category:	Materials
Subcategory:	Consumables
Product name:	Jugitec ISOflex Plus (manufacturing date: 6/2015; color: translucent;

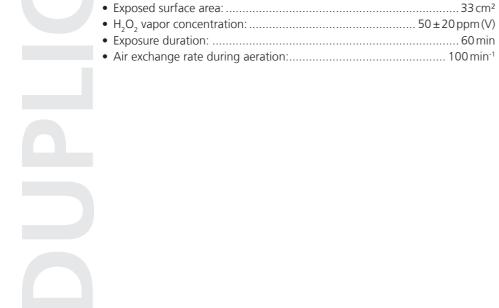
Hydrogen peroxide absorption / desorption

Methodics:

- Material exposure to vaporized hydrogen peroxide for a defined duration using an emission test cell
- Aeration (with ambient air) of the test setup with continuous monitoring of the decreasing hydrogen peroxide concentration
- Calculation of the k-value as time needed to reach 1/10 of the maximum hydrogen peroxide concentration measured at start of the aeration

Air-conditioned laboratory environment:

Test procedure parameters:





The hydrogen peroxide absorption/desorption of the glove Jugitec ISOflex Plus was investigated at the stated test parameters, providing the following

alue n]	Standard deviation [min]	Classification
	0.0	non-absorptive

non-absorptive	
fast	
average	
slow	
e: catalytic activity	

The k-value can only be used to make a comparative material assessment. Provided the maximum hydrogen peroxide vapor concentration during material exposure is within the defined limit, it does not affect the calculated

> This document only applies to the named product in an unchanged state and is valid from the date of issue for a period of 5 years. The document can be verified under www.tested-device.com.