



### API LOW EMISSION PACKING SET 4337

Braided from specially formulated expanded graphite, reinforced with a proprietary Inconel wire matrix and impregnated with a high Sealability Compound and a Passive Corrosion Inhibitor

#### Characteristics

- Extrusion and blow out stability through ultrafine Inconel metal mesh reinforcement on each braided strand
- Non-hardening, excellent long term sealability
- Minimal Volume loss at temperature
- Coefficient of thermal expansion close to steel
- Easy to install and easy to remove
- Average Emission of only 5 PPMv Methane according to API 622 3<sup>rd</sup> edition test

#### Operating range

p [bar]			500
t °C	-200 . . . +300		
pH	0 - 14		

#### Main application

This packing set was specifically formulated to minimize fugitive emissions and exceeds current emission regulations for valves in

- HPI & CPI Industries
- Powerplants
- General Industries



#### Approvals

- API 622 3<sup>rd</sup> edition Emission Test 260 °C / 41 bar
- API 607 7<sup>th</sup> edition Firesafe Test, ISO 10497 : 2010
- BAM approval for use in Oxygen at 60 °C / 20 bar

**Fire Test Report**  
ANSI/API Standard 607, 7th Edition, 2016  
ISO 10497: 2010

Performed for  
**AESSEAL Packing Division**  
Rudolf Diesel Ring 26a  
D-82054 Sauerlach

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API Packing Set 4337  
Tested in a 4 inch Class 300 Valve

Project Number: 219567  
Test Date: February 25, 2020

Performed by  
**YARMOUTH RESEARCH AND TECHNOLOGY, LLC**

**API Standard 622 Test Report**  
"Type Testing of Process Valve  
Packing for Fugitive Emissions"  
Third Edition, 2018

Performed for  
**AESSEAL Packing Division**  
[www.aesseal.com](http://www.aesseal.com)

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API Ringset 4337  
(343/337/337/343)

Project Number: 219566  
Test Start Date: March 2, 2020

Performed by  
**YARMOUTH RESEARCH AND TECHNOLOGY, LLC**



#### Form of delivery

The rings of the API Packing Set 4337 are delivered with 45 degree skive cut for easy installation. They will be precompressed for best performance. We have approx. 2,000 dies available in metric and imperial sizes.

Both packing styles of API set 4337 are as well available on spools in common cross sections.

All technical information and advice is based on our experience and will be given most conscientiously but without any liability. Indication and figures are for guidance only and need to be examined by the user. All sizes are subject to manufacturing tolerances. We reserve the right to modify specifications at any time. Please note that the technical values cannot be used all at the same time in their maximum values.