



valid until: January 25, 2028

# Fraunhofer

## TESTED<sup>®</sup> DEVICE

item Industrietechnik  
Frame Profile Seal 10x4.8  
**Report No. IT 2207-1335**

Single product  
Outgassing Behavior  
VOC/SVOC

## Qualification Certificate

This is to certify that the product mentioned above, provided by

**item Industrietechnik GmbH**  
Solingen, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE  
bearing the report number IT 2207-1335.

The outgassing behavior of the Frame Profile Seal 10x4.8 (color: grey) at the stated temperatures was investigated according to VDI 2083 Part 17 and ISO 14644-15. Based on the outgassing rates determined for the specific surfaces, the following material classification was made for the corresponding Contaminant Category:

Contaminant Category (x)	SER <sub>a</sub> <sup>1)</sup> 23 °C [g/m <sup>2</sup> s]	SER <sub>a</sub> <sup>1)</sup> 90 °C [g/m <sup>2</sup> s]	ISO-ACC <sub>m</sub> Class (x) based on 23 °C
VOC	4.5 x 10 <sup>-8</sup>	7.6 x 10 <sup>-7</sup>	-7.3
SVOC	< 2.8 x 10 <sup>-10</sup>	2.7 x 10 <sup>-9</sup>	< -9.6
Amines	< 2.8 x 10 <sup>-10</sup>	< 1.7 x 10 <sup>-9</sup>	--
Organophosphates	< 2.8 x 10 <sup>-10</sup>	< 1.7 x 10 <sup>-9</sup>	--
Siloxanes	< 2.8 x 10 <sup>-10</sup>	< 1.7 x 10 <sup>-9</sup>	--
Phthalates	< 2.8 x 10 <sup>-10</sup>	< 1.7 x 10 <sup>-9</sup>	--

<sup>1)</sup>SER<sub>a</sub>: Area-specific emission rate

IT 2207-1335  
Report No. first document

Stuttgart, January 25, 2023  
Place, date of first document issued

--  
Report No. current document

--  
Place, current date

on behalf of 

This document only applies to the named product in its original state and is valid for a period of 5 years from the date the first document was issued. The document can be verified under [www.tested-device.com](http://www.tested-device.com).

Detailed information and parameters of the test environment can be found in the Fraunhofer IPA test report.