



# Fraunhofer

## TESTED<sup>®</sup> DEVICE

igus GmbH

Igumid TE

Report No. IG 2110-1268

Single product  
Outgassing Behavior  
VOC/SVOC

## Qualification Certificate

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

**igus GmbH**  
Cologne, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE  
bearing the report number IG 2110-1268.

The outgassing behavior of the tile made from igumid TE material  
(color: black) 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	< 2.8 x 10 <sup>-10</sup>	2.2 x 10 <sup>-8</sup>	< -9.6
SVOC	< 2.8 x 10 <sup>-10</sup>	3.3 x 10 <sup>-8</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>	2.2 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

IG 2110-1268  
Report No. first document

Stuttgart, January 21, 2022  
Place, date of first document issued

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Report No. current document

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Place, current date

on behalf of   
Dr.-Ing. Frank Bürger, Project Manager Fraunhofer IPA

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**.

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