

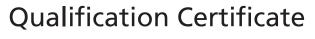
## Fraunhofer TESTED<sup>®</sup> DEVICE

RN342 Report No. IG 2110-1268

## Single product Outgassing Behavior VOC/SVOC

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.



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 RN342 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)	<b>SER1) 23°C</b> [g/m²s]	<b>SER</b> <sub>a</sub> <sup>1)</sup> <b>90°C</b> [g/m²s]	ISO-ACC <sub>m</sub> Class (x) based on 23°C
VOC	2.0 x 10 <sup>-7</sup>	2.5 x 10 <sup>-6</sup>	-6.7
SVOC	1.2 x 10 <sup>-8</sup>	4.1 x 10 <sup>-7</sup>	-7.9
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	4.3 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

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