



# Fraunhofer

## TESTED<sup>®</sup> DEVICE

Bosch Rexroth AG  
Protective Pane Profile 10 PP/TPE  
**Report No. BO 2112-1289**

### Single product Outgassing Behavior VOC/SVOC

### Qualification Certificate

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

**Bosch Rexroth AG**  
Stuttgart, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE  
bearing the report number BO 2112-1289.

The outgassing behavior of PROTECTIVE PANE PROFILE 10 PP/TPE  
GY, 3842555290 (color: RAL7004) 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<br>Category (x) | SER <sub>a</sub> <sup>1)</sup> 23 °C<br>[g/m <sup>2</sup> s] | SER <sub>a</sub> <sup>1)</sup> 90 °C<br>[g/m <sup>2</sup> s] | ISO-ACC <sub>m</sub> Class<br>(x)<br>based on 23 °C |
|-----------------------------|--|--|---|
| VOC                         | 2.3 x 10 <sup>-8</sup>                                       | 2.7 x 10 <sup>-6</sup>                                       | <b>-7.6</b>   |
| SVOC                        | < 2.8 x 10 <sup>-10</sup>                                    | 2.3 x 10 <sup>-7</sup>                                       | <b>&lt; -9.6</b>                                    |
| Amines                      | < 2.8 x 10 <sup>-10</sup>                                    | 5.9 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

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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.