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Bosch Rexroth AG
3842548949
Report No. BO 1508-777

DUPLICATE

Statement of
Qualification

Outgassing Behavior
(VOC)

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Statement of Qualification

Customer

Bosch Rexroth AG
Löwentorstraße 68 - 70
70376 Stuttgart
Germany

Component tested

Category: Materials

Subcategory: Plastics

Product name: Slot profile N10 (3842548949)
(date of manufacturing: 21/7/2015; color: RAL 7035/light grey; material: PE)

Emission chamber measurements with purge-and-trap thermodesorption method and gas chromatography combined with mass spectrometry (TD-GC/MS)

Standards/Guidelines: ISO 14644-8; ISO 16000-6, -9, -11, -25; VDI 2083-17
The norms stated refer to the relevant editions applicable at the time of the tests.

Testing equipment:
- Measuring station:..... PerkinElmer Clarus 600, Clarus 600T, ATD 650
- Sampling chamber:.....Markes International µCTE

Sample storage: Age of sample: .....29 days

Test procedure parameters:
- Retention range (VOC): ..... C6 to C16
- Outgassing test temperatures: ..... 23 °C and 90 °C

Test result / Classification

The outgassing behavior of Slot profile N10 (3842548949) at the stated temperatures was investigated according to VDI 2083-17. Based on the outgassing rates determined for the specific surfaces, the following material classification was made for the corresponding contaminant group:

Test temperature	Contaminant group	Specific emission rate [g/m²s]	ISO-ACC$_m$ Class (x)
23 °C	VOC	9.0 x 10^{-7}	-6.0
90 °C	Amines	not detectable	--
	Organophosphates	not detectable	--
	Siloxanes	not detectable	--
	Phthalates	not detectable	--

The detection limit at the time of the test was ISO-ACC$_m$ Class = -9.6 (VOC). The ISO-ACC$_m$ Class (x) was assigned for the named contaminant group x at the test temperature of 23 °C (room temperature).

The measuring devices used for the qualification tests are calibrated at regular intervals; their results can be traced back to national and international standards. In cases where no national standards exist, the test procedure implemented complies with the technical regulations and norms applicable at the time of the test. The relevant documentation can be viewed on request at any time.

For further information about the test environment and parameters, please refer to the Fraunhofer IPA test report.

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on behalf of
Frank Bürger, Project Manager Fraunhofer IPA

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