Cleanroom® Suitable Materials

ContiTech
Report No. CO 1711-972

Conti Multi-Protect
Outgassing VOC / SVOC
ISO-ACC$_m$ Class -5.4 / -6.5

FLOORING & COATING

Outgassing Behavior VOC/SVOC

DUPLICATE

Qualification Certificate

We hereby certify that the material stated above, provided by

ContiTech Elastomer-Beschichtungen GmbH
Northeim, Germany

has been awarded the Fraunhofer IPA CSM Certificate of Qualification with the report number CO 1711-972.

The outgassing behavior of Conti Multi-Protect (anthracite) at the stated temperatures was investigated according to VDI 2083 Part 17. 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$_a$ [1] 23 °C [g/m²s]	SER$_a$ [1] 90 °C [g/m²s]	ISO-ACC$_m$ Class (x) based on 23 °C
VOC	4.1×10^{-6}	2.7×10^{-5}	**-5.4**
SVOC	2.8×10^{-7}	5.2×10^{-6}	**-6.5**
Amines	$< 2.8 \times 10^{-10}$	$< 4.6 \times 10^{-9}$	--
Organophosphates	$< 2.8 \times 10^{-10}$	$< 4.6 \times 10^{-9}$	--
Siloxanes	4.3×10^{-6}	3.3×10^{-5}	--
Phthalates	$< 2.8 \times 10^{-10}$	$< 4.6 \times 10^{-9}$	--

[1] SER$_a$: Area-specific emission rate

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Place, current date

on behalf of
Dr.-Ing. Udo Gommel, Project manager Fraunhofer IPA

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.