



# Cleanroom<sup>®</sup> Suitable Materials

CNES  
Laboratories & Expertise Dpt  
Report No. CN 1702-878

PA WINFORM SP  
Outgassing VOC (23°C/90°C):  
ISO-ACC<sub>m</sub> Class < -9.6 / tested

## FLOORING & COATING

### Outgassing Behavior (VOC)

### Qualification Certificate

We hereby certify that the material stated above, provided by

CNES - Laboratories & Expertise Dpt  
Toulouse, France

has been awarded the Fraunhofer IPA CSM Certificate of Qualification with the report number CN 1702-878.

The outgassing behavior PA WINFORM SP (color: white) 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/m <sup>2</sup> s]	ISO-ACC <sub>m</sub> Class (x)
23 °C	VOC	< 2.8 x 10 <sup>-10</sup>	-9.6
90 °C	Amines	not detectable	--
	Organophosphates	not detectable	--
	Siloxanes	not detectable	--
	Phthalates	not detectable	--

Detailed information regarding specific product data such as manufacturing date, color, and serial number as well as test environment and parameters can be obtained from the CSM test report issued by the Fraunhofer-Gesellschaft.

Stuttgart, March 8, 2017

on behalf of   
Frank Bürger, Project manager Fraunhofer IPA

The validity of this certificate applies only to the mentioned product in this particular condition for a duration of 5 years.

Further information:

[www.tested-device.com](http://www.tested-device.com).

Please visit [www.ipa-csm.com](http://www.ipa-csm.com).

DUPLICATE