

Fraunhofer TESTED[®] DEVICE ebm-papst

Fan impeller Latamid 66 H2 Report No. EB 2403-1502

Single product Outgassing Behavior Inorganic Acids

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.



Qualification Certificate

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

ebm-papst Mulfingen GmbH & Co. KG Mulfingen, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number EB 2403-1502.

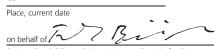
The outgassing behavior of the material of the Fan impeller Latamid 66 H2 G/25-V0HF1 (color: black) at the stated temperatures was investigated according to VDI 2083 Part 17 and ISO 14644-15. Based on the outgassing rates determined for the specific surfaces, the following material classification was made for the corresponding Contaminant Category:

Contaminant Category (x)	SER_a¹⁾ 23°C [g/m ² s]	SER_a¹⁾ 90 °C [g/m ² s]	ISO-ACC _m Class (x) based on 23°C
HF	< 2.9 x 10 ⁻⁹	< 2.9 x 10 ⁻⁹	< -8.5
HCI	< 2.9 x 10 ⁻⁹	< 2.9 x 10 ⁻⁹	< -8.5
HBr	< 2.9 x 10 ⁻⁹	< 2.9 x 10 ⁻⁹	< -8.5
HNO ₃	< 2.9 x 10 ⁻⁹	< 2.9 x 10 ⁻⁹	< -8.5
H ₃ PO ₄	< 2.9 x 10 ⁻⁹	< 2.9 x 10 ⁻⁹	< -8.5
H ₂ SO ₄	< 2.9 x 10 ⁻⁹	< 2.9 x 10 ⁻⁹	< -8.5

¹⁾SER_a: Area-specific emission rate

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