



valid until: February 6, 2031

Fraunhofer

TESTED[®] DEVICE

AKA LIGHTING GmbH
PE powdercoating PO-658-9010-001
Report No. AK 2507-1654

Single product Hydrogen Peroxide Absorption/Desorption

Qualification Certificate

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

AKA LIGHTING GmbH
Schönaich, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number AK 2507-1654.

The hydrogen peroxide absorption/desorption of Polyester
powdercoating PO-658-9010-001 (color: RAL 9010) was investi-
gated with the stated test parameters. Using the procedure laid
down in VDI 2083 Part 20, the following test result was obtained:

Ø k-value [min]	Standard deviation [min]	Classification
2.36	0.43	non-absorptive

The k-value represents the required decay time to reduce the
hydrogen peroxide vapor concentration measured at the beginning
of the aeration phase to one tenth of the original concentration.
The material classification is based on three separate measure-
ments. The blank value of the test setup is subtracted from each
measurement value.

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.

AK 2507-1654
Report No. first document

Stuttgart, February 6, 2026
Place, date of first document issued

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Report No. current document

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Place, current date

on behalf of 
Dr.-Ing. Frank Bürger, head of business unit Testing and Certification