



# Fraunhofer

## TESTED<sup>®</sup> DEVICE

DENSO WAVE Inc.

PVC (S-1)

Report No. DE 2006-1161

### Single product Hydrogen Peroxide Absorption/Desorption

### Qualification Certificate

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

**DENSO WAVE Inc.**

Aichi, Japan

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number DE 2006-1161.

The hydrogen peroxide absorption/desorption of PVC (S-1), color: gray, was investigated 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
5.3	0.2	fast

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 measurements. The blank value of the test setup is subtracted from each measurement value.

DE 1409-725  
Report No. first document

Stuttgart, July 15, 2015  
Place, date of first document issued

DE 2006-1161  
Report No. current document

Stuttgart, November 4, 2020  
Place, current date

on behalf of   
Dr.-Ing. Frank Bürger, Project Manager 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 current date the document was issued. The document can be verified under [www.tested-device.com](http://www.tested-device.com).

Detailed information and parameters of the test environment can be found in the Fraunhofer IPA test report.