

Product Data

Technisches Datenblatt

NA 806-0 ALU

English	General information	Deutsch
Filtermaterial	Polyester/ Polyester Vlies	Filtermaterial
Fibersize	2 Decitex	Fasergrösse
Colour	White Weiss	Farbe
Weight	265 g / m ²	Gewicht
Material Thickness	0,6 mm	Material Dicke
Airpermeability at 200 Pa.	520 m ³ /m ² h	Luftdurchlässigkeit bei 200 Pa.
Temperature resistance	120 C (dry / Trockene H.) 90 C (Moisture / Feuchte H.)	Dauertemperaturbeständigkeit

Chemical Resistance Chemische Eigenschaften		
Oil and water resistance	Excellent / Ausgezeichnet	Öl und Wasserabweisend
Hydrolysis resistance	Fair / Mässig	Hydrolysebeständigkeit
Acid resistance	Good / Gut	Säurebeständigkeit
Alkalien resistance	Fair / Mässig	Alkalienbeständigkeit
Resistance in Ohm	1,0 * 10 ³	Widerstand in Ohm an Filtermaterial

Dust release	Excellent / Ausgezeichnet	Abreinigungsverhalten
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Filtertest		
Application category after BIA	U,S,G,C Prüfzeugnis Nr.9508410/6210	Verwendungskategorie nach BIA
Mean transmittance of particle between 0,2um and 2um after Stokes	0,05% Partikel	Max.zulässiger Durchlassgrade von Partikel zwischen 0,2um und 2um nach Stokes

Application field

Filtration of fine dust types: metal, wood, chemical, cement, food, paper, plastic, shot blasting, foundry dust, powder, mineral processing and many more.

Einsatzgebiet:

Filtrierung von feinen Stäuben im folgenden Bereichen: Getreide, Holz, Zement, Metall, Strahlen auf den meisten Metallen, Epoxyharz, Al-Pulver, Toner und Farbpigmente.

TEST CERTIFICATE

No. 9508410/6210

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|-----------------------------|--|
| 1. Applicant | Nordic Air Filtration A/S
Perlestikkergade 23H
DK- 4900 Nakskov
Denmark |
| 2. Sample for testning: | Filter material |
| 2.1 Manufacturer: | Nordic Air Filtration A/S |
| 2.2 Type/designation: | Single layer filter material/
NA-806 ALU |
| Identification: | NA-806 ALU |
| 2.3 Intended application: | Filter material for use in dust
removing machines and appliances
for collecting dust hazardous to
health with threshold limit
VALUES and CARCINOGENIC
substances in groups II, III
(Gefstoffs (Order on Hazardous
substances) Appendix II, 1.1
(1)), according to the area of
application of ZH1/487 |
| 2.4 Date of manufacture: | 08/95 |
| 2.5 Additional information: | See test report |

The next page of the test certificate contains the overall result of the test and may only be published unabbreviated

3. TEST:

- 3.1 Type of test: Type test
- 3.2 Date of test: November 1995
- 3.3 Test procedure/basis: ZH1/487 section 2, BIA (German trade association institute for safety at work) instructions on the testing of dust-removing machines and appliances (01/90 edition), BIA instructions on the testing of filters for use in dust-removing machines and appliances (10/98 edition).

4. Assessment, qualification:
(Special remarks)

The NA-806-0 filter material fulfils the requirements for filters for use in dust-removing machines and appliances in the application category(ies) -U, S, G, C-.

Special remarks

This test report applies only for the filter material on-flow side: lined side. An assessment of the working safety of the overall dust collection equipment is not permissible on the basis of this test certificate.

5. Validity of the test certificate:

This test certificate applies for products identical to the sample tested provided that the safety specifications applied (3.3) apply. Samenes is not monitored by the test centre.

The test certificate becomes invalid at the latest on 01 April/2001

It may be extended on applications (up to twice).

6. General remarks:

This test certificate consists of 4 pages. Pages 1 and 2 contain the overall result of the test and may only be published unabbreviated. In order to be complete the test certificate requires the test report (pages 3 to 4) which shows the individual results.

This test certificate is not authorisation for the use of the mark „GS - geprüfte Sicherheit“ (safety-tested).

Otherwise the BIA testing regulations in conjunction with the general terms and conditions of business of the Hauptverband der gewerblichen Berufsgenossenschaften e.V., BIA (Main association of trade associations) shall apply.

Trade association institute
for safety at work BIA

Responsible tester: Dipl.Eng.G'tte

TEST REPORT

1. Basis for the test: ZH1/487, section 2, BIA (German trade association institute for safety at work) instructions on the testing of dust-removing machines and appliances (1/90 edition), BIA instructions on the testing of filters for use in dust-removing machines and appliances (10/98 edition).
2. Type of test: Type test
3. Applicant: Nordic Air Filtration A/S
4. Sample: Filter material
 - 4.1 Type: Single-layer filter material
 - 4.2 Designation: NA-806 ALU
 - 4.3 Identification: NA-806 ALU
 - 4.4 Application category (ies) -U, S, G, C-.
5. Manufacturer's specifications for filter material.
 - 5.1 Material and type: Polyester
 - 5.2 G.S.M.: 260 g/m²
 - 5.3 Porosity: 650 m³/m²h at 200 pa
 - 5.4 On-flow side: Parallel embossed
 - 5.5 Colour: Gray
6. Filter material transmittance test.
 - 6.1 On-flow speed: 0.056 m/s
 - 6.2 Quartz dust concentration: (200 +/- 20) mg/m³
 - 6.3 Requirements for application category -C-
Maximum permissible transmittance: 0.1%
 - 6.4 Test results
 - Mean transmittance 0.05% (6 measurements)
 - Standard deviation; 0.02%

With the on-flow speed of 0.056 m/s the transmittance is safely less than 0.5%.

The requirements for filter material collection efficiency for application category(ies) -U, S, G, C- are fulfilled.

7. Flow Resistance

7.1 On-flow speed: 0.056 m/s

7.2 Surface load: 200 m³/m².h.

7.3 Test result:

Mean flow resistance: 71 pa (6 measurements)

8. Porosity test: 570m³/m².h.

The porosity of the filter material is determined at a differential pressure of 200 pa.

9. G.S.M. test: 260 g/m²

10. Certification

The requirements are fulfilled.

German trade association institute
for safety at work - BIA -

for Official in charge

Dr. G. Reidiger Dipl.Ing. T.-U. Tobyes C. Lietz

This test report may only be published in its entirety and
together with the first two pages to the test certificate.