

Product Data

Technisches Datenblatt

NA 138 FH

English	General information	Deutsch
Filtermaterial	Blend / Mischung 80% / 20% Cellulose / Polyester	Filtermaterial
Treatment	Flame retardent / Flammhemend	Ausgerüstung
Colour	White with blue stripes Weiss mit blaue Streifen	Farbe
Weight	170 g / m ²	Gewicht
Material Thickness	0,32mm	Material Dicke
Airpermeability at 200 Pa.	520 m ³ /m ² h	Luftdurchlässigkeit bei 200 Pa.
Temperature resistance	60 C	Dauertemperaturbeständigkeit

Chemical Resistance Chemische Eigenschaften		
Hydrolysis resistance	Fair / Mittel	Hydrolysebeständigkeit
Acid resistance	Fair / Mittel	Säurebeständigkeit
Alkalien resistance	Fair / Mittel	Alkalienbeständigkeit

Dust release	Good / Gut	Abreinigungsverhalten
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Filtertest Prüfzeugnis Nr.200020414/6210		
Application category after BIA	U,S,G,C	Verwendungskategorie nach BIA
mean transmittance of particle between 0,2um and 2um after Stokes	0,01% Partikel	max zulässiger Durchlassgrad von Partikel zwischen 0,2um and 2um nach Stokes

Application field

A low energy grade, with improved strenght and waterresistance. Filtration of fine dust types like Welding, Plastic / PUC, Laser and Plasma Welding etc.

Einsatzgebiet:

Filtrierung von feinen Stäuben im folgenden Bereichen: z.B. Laser und Plasma schneiden von Stahl, Flammsspritzen, Brennschneiden und Plastic / PUC etc.

TEST CERTIFICATE

No. 200020414/6210

- | | |
|-----------------------------|---|
| 1. Applicant | Nordic Air Filtration A/S
Perlestikkergade 23H
DK- 4900 Nakskov
Denmark |
| 2. Sample for testing: | Filter material |
| 2.1 Manufacturer: | Nordic Air Filtration A/S |
| 2.2 Type/designation: | Single layer filter material/
NA-138 FH |
| Identification: | NA-138 FH |
| 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
(GefstoffsV (Order on Hazardous
substances) Appendix II, 1.1
(1)), according to the area of
application of ZH1/487 |
| 2.4 Date of manufacture: | 02/2000 |
| 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: January 2000

3.3 Test procedure/basis: 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 138 FH 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 February/2003

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: 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-138 FH
 - 4.3 Identification: NA-138 FH
 - 4.4 Application category (ies) -U, S, G, C-.
5. Manufacturer's specifications for filter material.
 - 5.1 Material and type: Zellulosepaper
 - 5.2 G.S.M.: 137 g/m²
 - 5.3 Porosity: 450 m³/m²h at 200 pa
 - 5.4 On-flow side:
 - 5.5 Colour: White
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 0.01% (6 measurements)
 - Standard deviation; %.

With the on-flow speed of 0.056 m/s the transmittance is safely less than 0.1%.

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: 78 pa (6 measurements)

8. Porosity test: 520 m³/m².h.

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

9. G.S.M. test: 170 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.