

SEW232 Antistatic

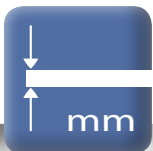
Blended 85/15 antistatic cellulose FR



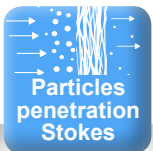
White/Gray
Weiss/Grau



-
Decitex



0,45
mm



0,073
%



138
gram



MD N/A
CD N/A

FILTER MEDIA DATA

SEW232FR antistatic 85/15 blended Cellulose Filter media with synthetic fibers, no-curing and latex impregnation with flame retardant coating.

SEW 232 has high hydrophobic properties, with high tensile strength for a long pulse jet cleaning cycles.

SEW232 antistatic flame retardant media respecting F I request (DTN53438)



Dry
Trocken

85 Celsius

Wet
Feuchte

75 Celsius

Air Permeability | 200Pa
Luftdurchlässigkeit | 200Pa

520 m3/m2/hr

Chemical Resistance | Chemische Eigenschaften

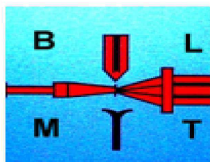
	Excellent Sehr Gut	Good Gut	Fair Mässig
Oil/water resistance Öl und Wasserabweisend	X	X	X
Hydrolysis resistance Hydrolysebeständigkeit	X	X	X
Acid resistance Säurebeständigkeit	X	X	X
Alkaline resistance Alkalienbeständigkeit	X	X	X



Certificate No.
TV1022F
21032950

Phone +45 5460 2080

S.E.W. North Filtration A/S * Vesterbrogade1, Section C * DK-4930 Maribo
E-mail: sales@northfiltration.com * www.northfiltration.com * VAT no.: DK 33 49 28 71



test report

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Type Test according DIN EN 60335-2-69:2015 BLANKENBERG - MEßTECHNIK / DATENVERARBEITUNG

Oderstr. 2 , D-47506 NEUKIRCHEN-VLUYN , Tel.: +49 02845 58303 , Fax : +49 02845 58461 , E-Mail : Labor@Blankenberg-mt.org

customer : S.E.W. North Filtration A/S Date : 09.03.2021
Vesterbrogade 1, Sektion C Date of order : 09.03.2021
4930 - Maribo Entering of the sample : 05.03.2021

Order : Examination test on a filter test rig according to the DIN EN 60335-2-69:2015. The manufacturer of the filter has expressly stated that since the initial valuation in 2019 "... to the filtermaterial has not changed the recipe and manufacturing processhas not", so that the previous test report number T00022F..19022787 is still part of this test report.]

Remarks on the order : The test result is based explicitly only on the DIN EN 60335-2-69:2015 Annex AA.22.201.1. Another statements on the specimen are not part of this order.]

Kind of sampling : 15 material specimens with dimensions of approx 450 mm x 450 mm sent with date of the 03/05/2021 to the testlaboratory.]

Test Device : SEW 232 / 85 % Cellulose / 15 % Polyester blend flammhemmend

Test results : **Dust class **): M (D: < 0,0739 %)**

Test air flow rate 200 m³/(m²*h) / 0,056 m/s

initial pressure drop : 69 Pa max. final pressure drop : 239 Pa
for test dust (Quarzstaub) for Test aerosol ()

initial arrestance : > 99,9261 % initial arrestance **): ---

Average dust weight : --- initial fraction arrestance **): ---

Air permeability : 200 Pa of 520 m³/(m²*h) initial specific test arrestance *) : ---

Details of the test :

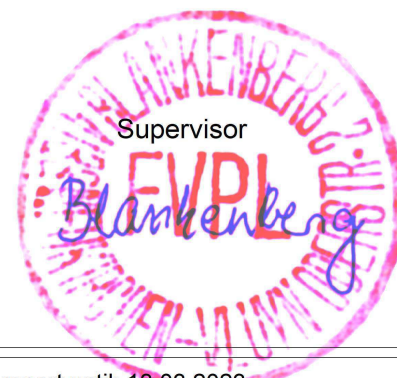
In a comparison test with reference samples from the initial test, slightly lower test results were determined. Under test conditions, the filter material meets the requirements of dust class M according to Annex AA.22.201.1. the DIN EN 60335-2-69: 2015, so that the test report T00022F..19022787 is extended by a further 2 years.

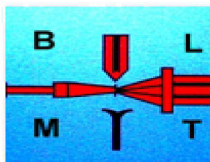
These test report 3 Page 1 enclosure

and can only be used in combination with the test device and are only valid for identical types. The test report can only be made public or copied in its original form and content, with the agreement of the testing organisation. A part of the test report may only made public with the testing agreement of the testing office.

***): The test results are based on an integrated neutralization and continuous charge control of the test substance.

*) : Test Results according to BS 3928 / 4400 (Sodium - Flame - Test).





Test object

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Type Test according DIN EN 60335-2-69:2015

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Oderstr. 2 , D-47506 NEUKIRCHEN-VLUYN , Tel.: +49 02845 58303 , Fax : +49 02845 58461 , E-Mail : Labor@Blankenberg-mt.org

manufacturer or or customer :

S.E.W. North Filtration A/S
Vesterbrogade 1, Sektion C
4930 - Maribo

Device description according to manufacturer or costumer

Device name :	SEW 232	Design model Nr. :	85 % Cellulose / 15 % Polyester blend flammhemmend synthetic
Configuration :	-	Device filter media :	
effective filter area :	100 cm ²	face dimension :	450 mm x 450 mm
Weight :	138,3 g/m ²	thickness :	0,42 mm

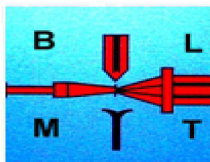
Proposers recommended operating data

Nominal air flow rate :	200 m ³ /(m ² *h)		
Temperature resistance :	-----	Burst pressure :	-----
initial pressure drop :	70 Pa	final pressure drop :	-----

Device description

The raw white (one-layered) filter material is composed of 85% cellulose and 15% polyester blends together and is flameretardant. The gray and aluminum coated on the upstream side of the material is with Labeled "SEW 232".





initial pressure drop

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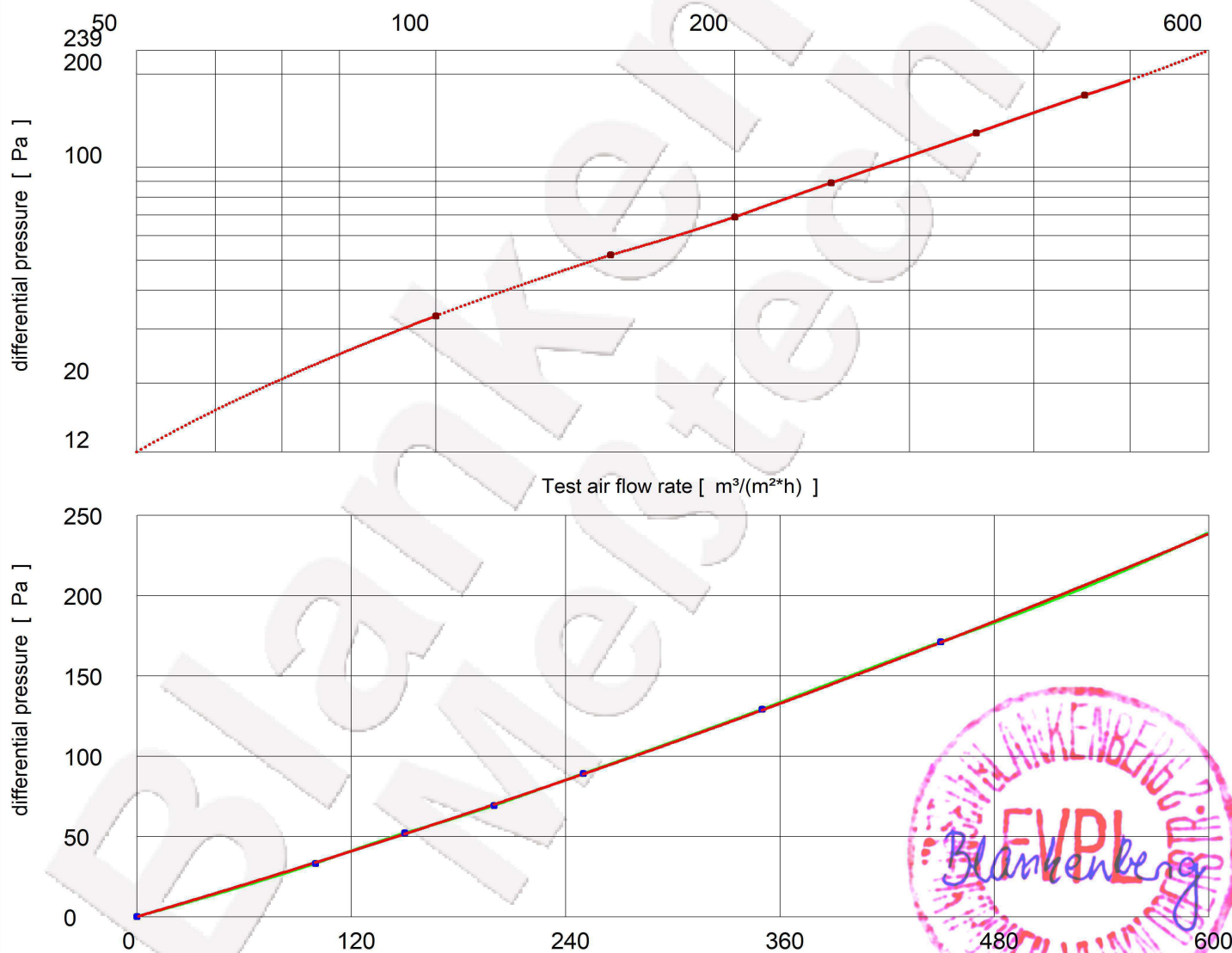
Test data

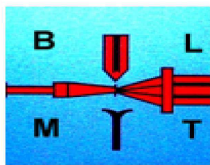
Test air flow rate or velocity :	200 m ³ /(m ² *h)	atmospheric pressure	1007,00 - 1008,00 mbar
Temperature of test air	21,00 °C	Rel. humidity	50,20 %

Pressure drop in dependence on Air flow rate

(clean device)

No.:	1	2	3	4	5	6	7	8	9
% of Fluid or velocity	0,00	50,00	75,00	100,00	125,00	175,00	225,00	260,00	300,00
atmospheric pressure [mbar] :	1007,00	1007,00	1007,00	1007,00	1007,00	1008,00	1008,00	1008,00	1008,00
Temperature of test air [°C] :	21,00	21,00	21,00	21,00	21,00	21,00	21,00	21,00	21,00
Rel. humidity [%] :	50,20	50,20	50,20	50,20	50,20	50,20	50,20	50,20	50,20
Test air flow rate [m ³ /(m ² *h)] :	0,00	100,00	150,00	200,00	250,00	350,00	450,00	520,00	600,00
differential pressure [Pa] :	0	33	52	69	89	129	171	200	239





Notes to the certificate

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The test results are based on one single and/or small series test and are valid only for Identical types. For an evaluation, one must consider that the measuring tolerances of the testing method are always within the tolerances accepted for this testing method, also under consideration of the material and fabrication tolerances according during fabrication.

Evaluation of the test results

The test results, shown in the certificate, are only related to the operating data and the test procedures, which are required by the manufacturer. They consider the following criteria.

1.1. The pressure loss resp. Initial - or final pressure loss

1.2. The arrestance grade (depending on the test procedure, different norminations are usual)

- initial- and average dust spot efficiency,
- initial- and average dust weight arrestance,
- transmission factor,
- fraction arrestance

1.3. Dust holding capacity

Due to a dust feeding, there will be a change of the pressure loss and the arrestance grade of the air filter.

1.4. Air filter - classification

The classification of the air filter refers exclusively of the criteria based on each test norm. (e.g. arrestance or classification - pressure loss).

2. Comparlson of the test results

Valuation and comparison of filter - test results assume that only those filters can be compared whose results are at least tested under the same conditions like (e.g. up to a comparable pressure loss or at the same air flow rate)

In case the conditions are not identical or the test results are based on different test methods, these data are limited or not compatible.

Indications regarding the dust holding capacity are only valid on basis of the test conditions. Inside the validity of a test report, there can be completely different conditions, depending on the test laboratory's and / or manufacturer's requirements. Are there no single - test certificats for the mentioned comparison - final pressure difference avoidable, one can calculate them, under the condition of a sufficient accuracy from the test certificates and / or graphically from the curves.