

# SEW195 H14

100% Polyester ePTFE membrane H14



White Weiss	1,8 Decitex	0,65 mm	0,006 %	267 gram	MD 500N/5cm Length CD 700N/5cm cross

## FILTER MEDIA DATA

SEW 195 is a 100% ePTFE coated spun bonded filter media that is manufactured from continuous non-woven fibre which do not permit particles to become embedded.

SEW 195 is a strong and high-pressure durable material that can be used for most dust applications.

This 100 % Spun bonded ePTFE coated media makes pulse cleaning easy in humid environments.



Dry  
Trocken **100 Celsius**

Wet  
Feuchte **90 Celsius**

Air Permeability | 200Pa  
Luftdurchlässigkeit | 200Pa **99 m3/m2/hr**

## Chemical Resistance | Chemische Eigenschaften

	Excellent Sehr Gur	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.  
24-082-1b

Classification  
DIN EN 60335  
2-69 :2010

Phone +45 5460 2080

S.E.W. North Filtration A/S \* Europavej 11 \* DK-4930 Maribo  
E-mail: sales@northfiltration.com \* www.northfiltration.com \* VAT no.: DK 33 49 28 71

# EN-1822-3 Test Report - Flat Sheet Media

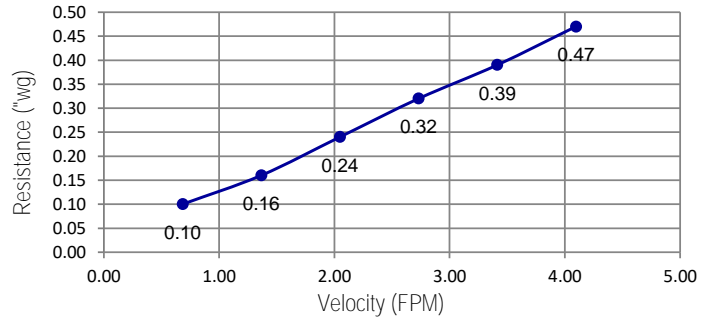
## Efficiency Test of Particles Sized 0.02 - 0.5 $\mu\text{m}$

### Filter Description

Manufacturer	S.E.W. North Filtration A/S	
Filter Model	SEW 195	
Part Number	SEW 195	
Test Area	1.0 ft <sup>2</sup>	0.093 m <sup>2</sup>
Media Type	Flat Sheet Media	
Media Color	White	
Sample Procurement	S.E.W. North Filtration A/S	

### Resistance vs. Media Velocity

Velocity (%)	FPM / cm/s	"WG	Pa
25	0.68 / 0.35	0.10	25
50	1.37 / 0.69	0.16	40
75	2.05 / 1.04	0.24	60
100	2.73 / 1.39	0.32	80
125	3.41 / 1.73	0.39	98
150	4.10 / 2.08	0.47	118



### Test Conditions

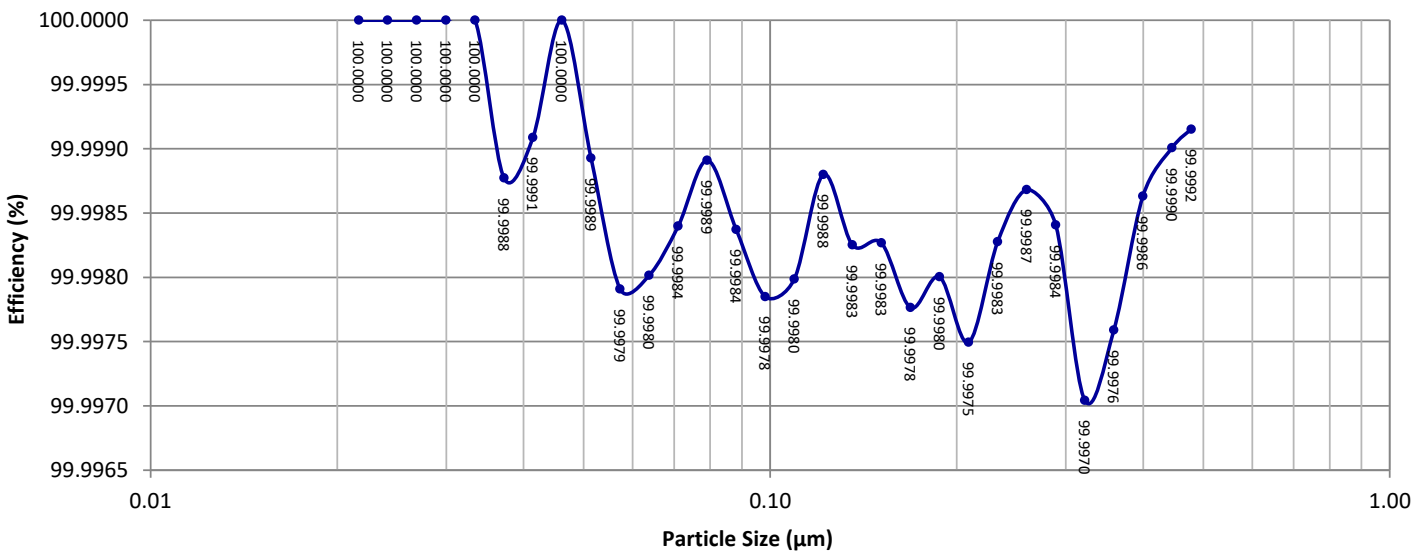
Test Air Flow Rate (FPM / cm/s)	2.73 FPM	1.39 cm/s
Challenge Aerosol	DEHS	
Counter Information	TSI 3082 Classifier / TSI 3750 CPC Counter	
Test Temperature ( $^{\circ}\text{F}$ / $^{\circ}\text{C}$ )	69 Deg F	20.6 Deg C
Relative Humidity (%)	38	
Barometric Pressure (\" Hg / kPa)	29.27 in. Hg	99.12 kPa

### Test Results

### EN-1822 Results

Airflow Rate	50 m <sup>3</sup> /m <sup>2</sup> /hr
Nominal Face Velocity	50 m <sup>3</sup> /m <sup>2</sup> /hr
Initial Resistance	0.32 inch WG / 80.0 Pa
MPPS Determination	0.3220 $\mu\text{m}$
Efficiency at MPPS	99.9970 %
EN 1822-3 Rating	H14

### Removal Efficiency vs. Particle Size



Requestor Information

 Test Requestor Lars Pederson  
 Company Name S.E.W. North Filtration A/S  
 Company Address Europavej 11, DK 4930 Maribo, Denmark

 Phone: +45 5416 6410  
 Email: lp@northfiltration.com  
 Date Requested 2/1/2024

Test Operator Information

 Test Performed by: Evan Sparks, CAFS


 Completion Date 2/13/2024

**Data - Initial Resistance**

Velocity (FPM)	Resistance (in WG)	Velocity (cm/s)	Resistance (Pa)
0.68	0.10	0.3	25
1.37	0.16	0.7	40
2.05	0.24	1.0	60
2.73	0.32	1.4	80
3.41	0.39	1.7	97.5
4.10	0.47	2.1	117.5

**Data - Particle Removal Efficiency**

Particle Size Range (nm)	MPPS	Particle Removal Efficiency	
		( $\mu\text{m}$ )	(%)
21.69		0.0217	100.0000
24.13		0.0241	100.0000
26.88		0.0269	100.0000
29.98		0.0300	100.0000
33.40		0.0334	100.0000
37.19		0.0372	99.9988
41.41		0.0414	99.9991
46.12		0.0461	100.0000
51.39		0.0514	99.9989
57.27		0.0573	99.9979
63.78		0.0638	99.9980
71.05		0.0710	99.9984
79.16		0.0792	99.9989
88.17		0.0882	99.9984
98.19		0.0982	99.9978
109.40		0.1094	99.9980
121.88		0.1219	99.9988
135.76		0.1358	99.9983
151.22		0.1512	99.9983
168.50		0.1685	99.9978
187.72		0.1877	99.9980
209.09		0.2091	99.9975
232.90		0.2329	99.9983
259.46		0.2595	99.9987
289.03		0.2890	99.9984
321.98	MPPS	0.3220	99.9970
358.68		0.3587	99.9976
399.54		0.3995	99.9986
445.10		0.4451	99.9990
478.30		0.4783	99.9992