



# Nanofiber Mechanical Filtration Media

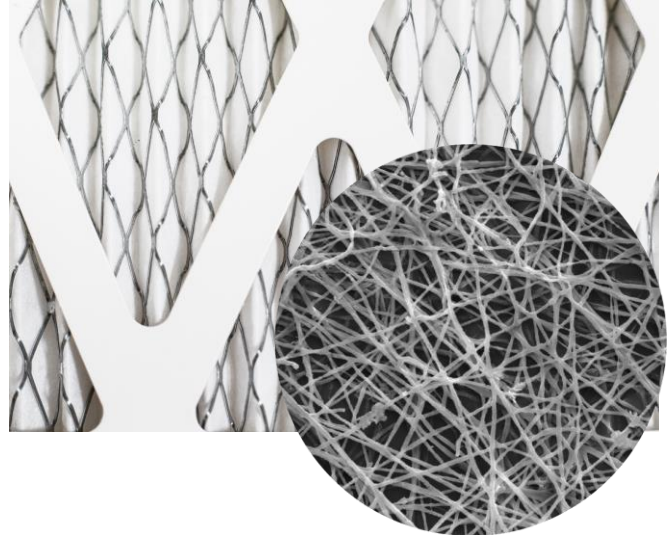
eSpin's all synthetic air filtration media utilize a fine layer of nanofibers to provide mechanical filtration while maintaining a low resistance to air flow. The unique hybrid structure allows to maintain the desired MERV rating throughout the filter life.

## Applications

- HVAC
- Cabin Air
- Turbine Intake

## Features

- Extended surface area
- High dust holding capacity
- High stability even at high relative humidity
- Meets ASHRAE 52.2 standard
- Durable synthetic construction
- Rolls in 900 linear feet




## Technical Data Sheet

MERV 11m					
Properties	English Units		Metric Units		Test Methods
Basis Weight	2.97 ± 0.05	Oz/yd <sup>2</sup>	70.3 ± 1.12	gsm	A.S.T.M. - D 646
Thickness	0.06 ± 0.01	In	1.4 ± 0.1	mm	A.S.T.M. - D 1777
Efficiency					
Penetration (0.3 um NaCl @32 L/m)	45 ± 5	%	45 ± 5	%	TAPPI 251
Air Resistance (@32 L/m)	0.8 ± 0.2	mmH <sub>2</sub> O	7.9 ± 2	Pa	TAPPI 251
Air Permeability (@125 Pa)	250 ± 30	cfm	118 ± 14	l/m <sup>2</sup> s	TAPPI 251
Color	White				

Resistance and efficiency were tested using TSI 8130 and air permeation was tested using the Textest FX 3300

Disclaimer: The material properties described in this document are estimates only and are not warranted by eSpin Technologies, inc. The data sheet is to be used as a guide only. eSpin retains all intellectual property rights to this material and related trade mark.

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