

AMOVentMems™

Electric Vent Membrane Specification

纳米纤维防水防尘透气网膜(应用于防水麦克风,喇叭)

SPECIFICATION



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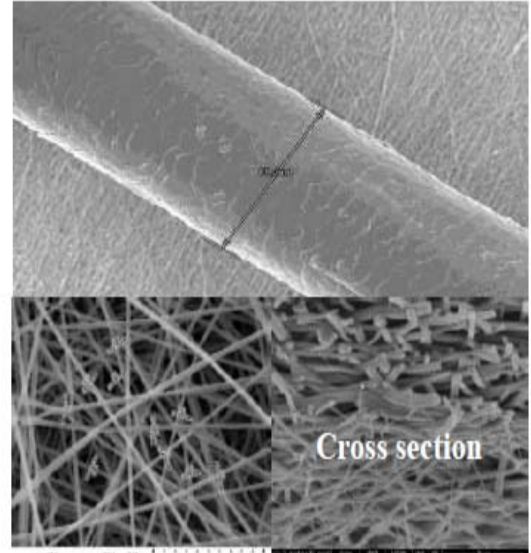
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Electric Vent Membrane

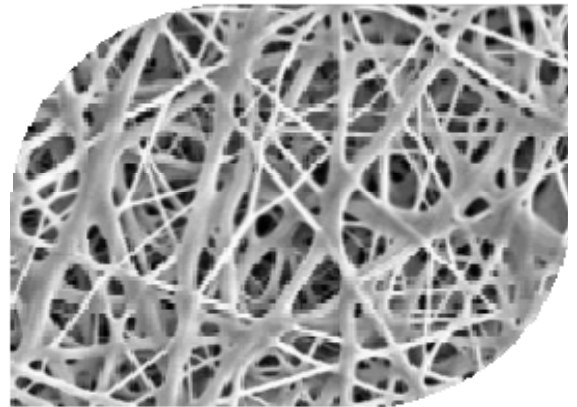
Is the nano fiber membrane in the form of nonwovens. AMOVentmems™ creates 3D open pore structure by nm level control of fiber diameter. High porosity and small & unique pore size can allow the maximum performance of electronic device as serve the effective conduit of air, gas, sound and heat at inimum resistance and obstruct harmful substance such as dust, bacteria, liquid and so on against electronic parts.



AMOVentMems™

纳米纤维防水防尘透气网膜
是纳米纤维的不织布形式。

AMOVentmems™ 作是三维开孔状结构的纳米纤维。具有高孔隙度和小而独特的孔径可以允许气体，声音和热的有效通过,同时阻碍有害物质，如灰尘，液体和细菌，对电子零件等电子设备损害,提高声音设备的防水防尘透气性能



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AMOVentMems™ Features

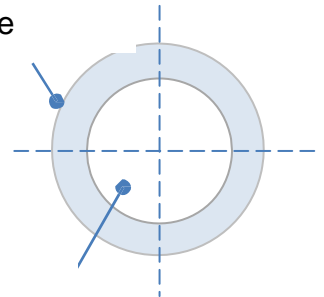
- High Air permeability
 - High Porosity & Uniform pore size
 - Minimal Acoustic Transmission loss
 - Minimal Acoustic Impedance material
 - Excellent dust, contaminants & liquid Barrier
 - Quickly recovery after liquid immersion
 - Excellent Waterproof
 - Minimal Nano web & Nonwoven Thickness
 - Easy Installation
 - Environmentally-Friendly Products (Halogen-Free)
- 透声材料, 把声音传输过程中的声损失降至最低
 - 为室内及户外声音设备提供强大的防水防尘屏障
 - 接触液体后迅速恢复透气
 - 粘性极强的背胶, 能在苛刻的环境中应用, 并能牢牢粘附在各种产品表面
 - 既有标准尺寸, 也能定制产品
 - 薄而轻巧, 对放置在有限空间内的设备来说堪称最为理想的透气方案
 - 安装简便, 可通过人工方式或自动化方式安装
 - 在设备接触灰尘、被溅上液体或浸没于液体中时, 能为设备提供有效保护, 防护等级最高能达到 **IP68**
 - 全部产品符合最新环保法规(Halogen-Free)

Typical Application/应用

Receiver & Speaker



Water-proof adhesive



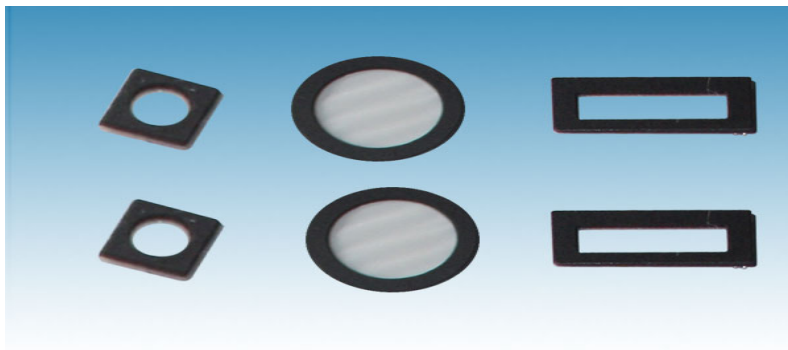
Active Area
产品本身

AMOVentMems™ Series

- AVMX4X : For IP44, IP54 & IP64
- AVM6XX : For IP66, IP67 & IP68

Customized design & manufacturing available

Shape/产品外观:



AMOVentMems™

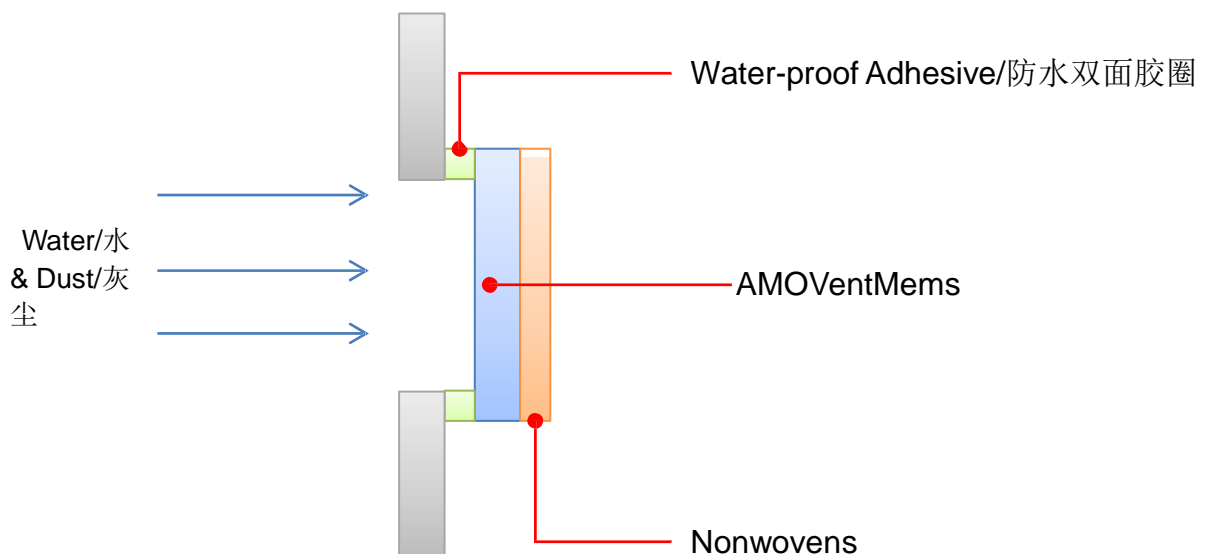
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AVMX4X series

	AVM041	AVM042	ANM043
IP Rating/IP 等级 (IEC 259,2nd)	IP44	IP54	IP64
Material water early pressure /材料抗水压力(mmH2O)	>15mbar	>25mbar	>35mbar
Typical airflow/标准透气量 (db=70mbar)	9000ml/min/mm ²	5900ml/min/mm ²	3000ml/min/mm ²
Transmission loss/传输声损失 (Up to 3KHz, dB)	<1dB	<1dB	<1dB
Thickness/厚度 (um)	90um	90um	90um
Temperature Resistance /工作温度(°C)	- 40 ~ +70 °C		



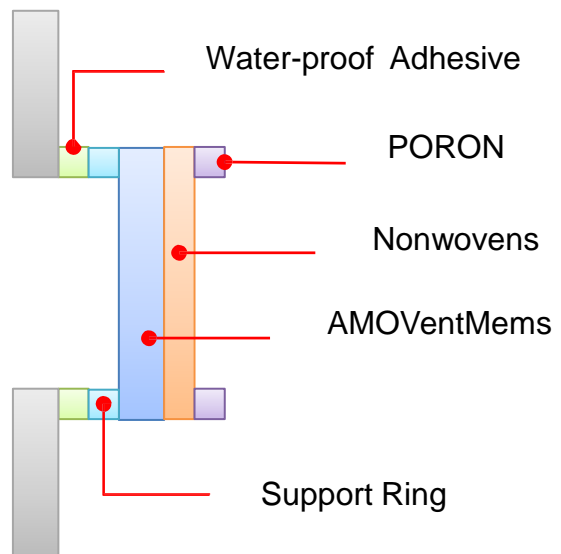
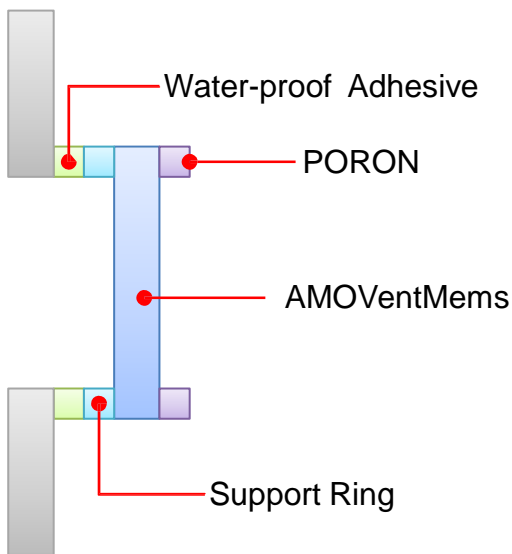
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AVM6XX series

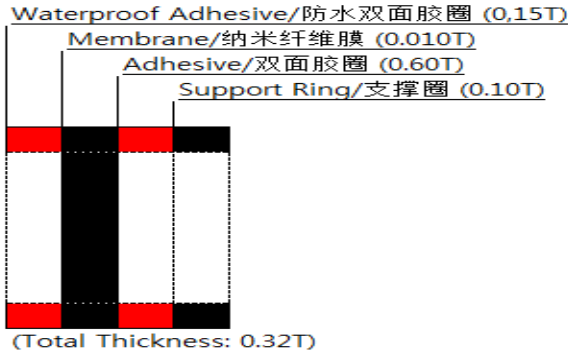
	AVM601	AVM602	AVM603
IP Rating/IP 等级 (IEC 259,2nd)	IP66	IP67	IP68
Material water early pressure /材料抗水压力(mmH2O)	>0.1 bar	>0.7 mbar	>1.0 mbar
Typical airflow/标准透气量 (db=70mbar)	65ml/min/mm ²	50ml/min/mm ²	35ml/min/mm ²
Transmission loss/传输声损失 (Up to 3KHz, dB)	<1dB	<1dB	<1dB
Thickness/厚度 (um)	5-10um / 90um	5-10um / 90um	5-10um / 90um
Temperature Resistance 温度(°C)	- 40 ~ +100 °C		



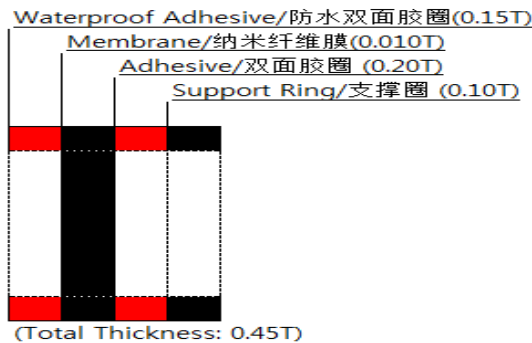
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Structure instance of the main applications/主要应用产品结构实例:

1. Mic/麦克风



2. SPK/喇叭



3. RCV/受话器

