

# Active Carbon Non woven Fabric

Active carbon non-woven fabric has good adsorption, thin thickness and good air permeability.



## The Overview of Active Carbon Non woven Fabric

Active carbon non-woven fabric has good adsorption, thin thickness and good air permeability. It can effectively adsorb various industrial exhaust gases, such as benzene, formaldehyde, ammonia, sulfur dioxide, etc. It is often used as the interlayer of surgical face masks in industry and medical industry. It can make various kinds of active carbon face masks, which are environmentally friendly, non-toxic, and non-polluting and can provide RoHS heavy metal detection.

We can provide two kinds of active carbon non woven fabric, ordinary active carbon non-woven fabric and active carbon fiber felt .the common weight of ordinary active carbon non woven fabric is 45-50g/sm, which is used for making one-time use surgical face masks and medical face masks.

The often use active carbon fiber felt weights are 200—300 g/sm, it is mainly used for making cup-type medical protective face masks ,chemical protective clothing and FFP2 industrial face masks, industrial filtration, it can absorb and filter odor, body odor, smoke, toxic, gas, O3, SO2, NO, etc. in the air. It can remove heavy metal ions, carcinogens, odor, mildew and bacteria from water.

## The Specification of Active Carbon Fabric

Regular active carbon non woven fabric		
Weight: 30g/sm-100g/sm	Width: 1.6m,3 Sets	Machine Type: Made in China
Colors: Black Only	Length: By Request	Packing: PE Bag+Nylon Bag
Material: PET non woven+active carbon	Width Tolerance: $\pm 3\text{mm}$	Weight Tolerance: $\pm 0.5\text{g/sm}$
Split Joint Times: $\leq 1$	Polymer Clump: $\leq 2$ PCS/50m <sup>2</sup>	Embossing: Plain
Loading Port: Shanghai China	20GP/40HQ Q'ty:4 Tons/10.5Tons	Brand Name: <b>SENCI</b>
Certificate: SGS, MSDS, RoHs	MOQ: 500 kgs	Supply Ability: 500 Tons/Month

#### Active carbon fibre felt

Weight: 80g/sm-400g/sm	Width:1.3m,2 Sets	Machine Type: Made in China
Colors: Black Only	Length: By Request	Packing: PE Bag+Nylon Bag
Material: PET Needle Punched Non Woven Fabric	Width Tolerance: $\pm 3$ mm	Weight Tolerance: $\pm 3.0$ g/sm
Split Joint Times: $\leq 1$	Polymer Clump: $\leq 2$ PCS/50m <sup>2</sup>	Embossing: Plain
Loading Port: Shanghai China	20GP/40HQ Q' ty: 4 Tons/10.5Tons	Brand Name: <b>SENCI</b>
Certificate: SGS, MSDS, RoHS	MOQ: 500 kgs	Supply Ability: 500 T/Month

## Product Features

Our company is the earliest manufacturer engaged in researching, developing and producing active carbon products. At present, it has formed three parts: business processing center, research, and development center and production base. There are many production lines of active carbon non woven fabric. Five sets cutting machine, one set professional test equipment, the specific surface area test machine.

The company's main products are active carbon non woven fabric, active carbon fiber, active carbon fiber felt. These products are mainly used for air purification, electronic chemical industry, aerospace materials, and the filter layers of surgical face masks or medical face masks. The company has passed the ISO9001 quality system certification. The product meets the requirements of the RoHS directive in Europe and America, and we export directly to Japan, Korea, Europe, the United

States and other countries and regions. Also, we export to Thailand, Malaysia, Vietnam, Russia, Colombia, Singapore and other southeast countries.

The active carbon nonwoven fabric is based on high quality powdered active carbon as adsorbent material. It is made by adhering active carbon material to PET non-woven fabric with high polymer bonding material. This kind of active carbon non woven fabric has good adsorption performance and thin thickness. It is good air permeability and easy thermal synthesis and can adsorb various industrial waste gases effectively, such as benzene, formaldehyde, ammonia, sulfur dioxide, and various organic gases. It is mainly used to make non woven active carbon face masks and is also widely used in chemical, pharmaceutical, painting, pesticide and other heavy pollution industries. The anti-virus effect is remarkable. The carbon content over 30%-45% and benzene adsorption rate over 12 W%—20 W%.

## **Product Application**

The active carbon non-woven mainly used to produce active carbon non-woven face masks.

The active carbon non woven fabric produced by our company uses high-quality carbon powder carbon as its raw material.

The carbon content is 30%-70%, and the adsorption rate of benzene is 12W%-40 W %, which can adsorb organic gases effectively in the air and also adsorb a variety of industrial waste gases. For benzene, formaldehyde, sulfur dioxide, carbon

tetrachloride, we use high-quality PET non woven as their back fabric. By spraying high adsorption powder type active carbon, using advanced binders, and being processed by many processes, the product has the feature of no fluey, is lint-free, no chip falling, and high adsorption rate. Also, we can produce different adsorb rate carbon non-woven fabric according to the client's requirements, and provide related testing services.

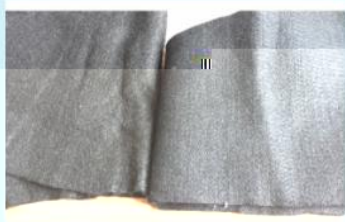
## Product Types

We have two kinds of active carbon material, the active carbon non-woven fabric and the active carbon fiber felt. The active carbon fabric is mostly used for the middle layer of plain face mask, and our felt product can resistance to 1600 degrees celsius and is mostly used for the inter layers of three-dimensional masks.

Active carbon non woven fabric	30g/sm-100 g/sm, maximum width 1.6m, thickness 0.2mm-1.5mm, meet Europe RoHS testing, widely used in plain face masks' middle layers.
Active carbon fiber felt	Fluffy, good air permeability, thin thickness, excellent adsorption performance. It can block particulate dust effectively in the air. Acid and alkali resistance, it has good conductivity and chemical stability. It's widely used in the middle layers of three-dimensional masks and thermal insulation materials.

## Process Description

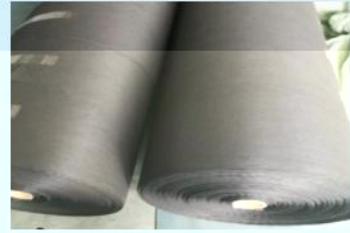
We use high-quality PET non woven as the back fabric. By spraying high adsorption powder type active carbon and using advanced binders, the product has the feature of no fluey, lint-free, no chip falling, and high adsorption rate.



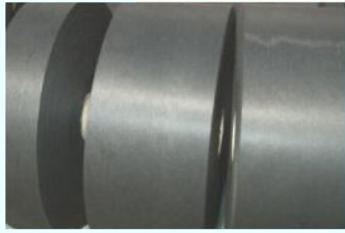
1. Place the moulded non woven base material. mix the powder carbon, adhesives, auxiliaries, into slurry



2. Overlay the powder active carbon on the surface of non woven fabric



3. Dry and rolling up



4. Cut into different width according to client's request. Packing by PE bags and stock in clean, ventilated and dry stockroom