

MAGIC POWER OF BAMBOO CHARCOAL/ACTIVATED CARBON



Also known as “Black Diamond”, bamboo charcoal is produced when plants, five years or older, are burned inside an oven at temperatures over 800 degrees centigrade. Bamboo activated carbon is made from bamboo charcoal via an “ACTIVATION” process to enhance its properties.

Bamboo charcoal/activated carbon has the following properties:

POROUS STRUCTURE

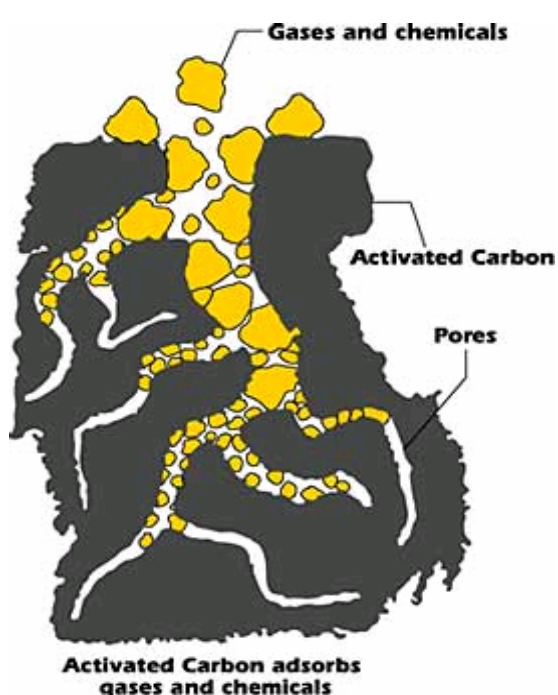
Bamboo charcoal has countless small cavities. Compared with wood charcoal, bamboo charcoal has about four times more cavities and its surface area of 300m²/gram is 10 ten times more.

Bamboo activated carbon comes with more cavities than charcoal and has specific surface area of >1000m²/gram.

WATER PURIFYING POWER OF MICROBES

A countless number of totally harmless microbes live inside the pores of bamboo charcoal/activated carbon. In the course of water purification, these microbes are capable of decomposing toxic substances like trihalomethane, chlorine, etc.

A RICH SOURCE OF MINERALS



During water purification processes, bamboo charcoal/activated carbon dissolves its rich mineral contents into the water, so the purified water becomes mineral-rich.

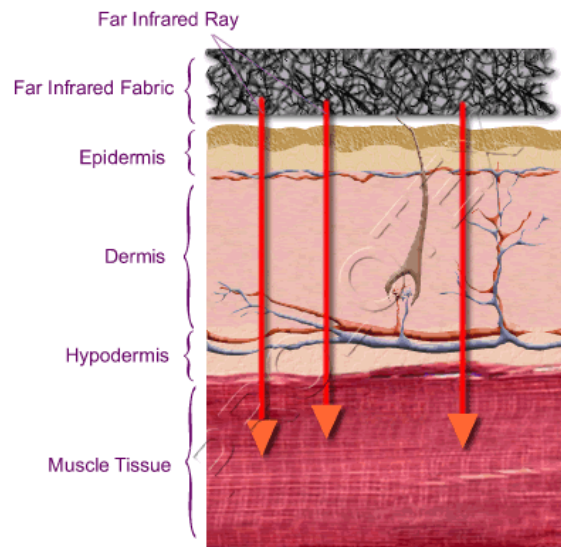
WARMING EFFECT OF FAR INFRARED RAYS (FIR)

A far infrared ray is a kind of radiated ray that is capable of warming matters and improving blood circulation. Bamboo charcoal/activated carbon emits infrared rays in the range between 2 and 22um. As the human body absorbs infrared rays ranging in wavelength from 4 to 50um, it can take full advantage of any healthy effects of infrared rays from bamboo charcoal/activated carbon.

SUPPLIER OF NEGATIVE IONS

Bamboo charcoal/activated carbon can generate a good quantity of negative (more precisely, negative-charged) ions, which have the property of giving electrons to nearby matters while the charcoal/activated carbon adsorbs positive ions. The air we breathe in is full of charged particles, and bamboo charcoal/activated carbon gives electrons to such particles, making the air richer in negative ions than in positive ions. Various experiences have shown that air rich in negative ions makes us feel better, like near a waterfall.

Far Infrared Ray emitted from Bamboo Activated Carbon Fabrics penetrates deep into the muscle tissues



HUMIDITY REGULATOR & ODOUR PREVENTION

Since bamboo charcoal/activated carbon has a high density and is porous, it can be used to soak or release moisture within confined areas like cars and bedrooms, helping to maintain humidity equilibrium. At the same time, it will absorb harmful gases and unpleasant smell.

DISSIPATES ELECTROMAGNETIC (EM) WAVES

EM waves are emitted by all sorts of electrical appliances and electronic devices, such as microwave ovens, cellular phones, TVs, personal computers, etc. Bamboo charcoal/activated carbon dissipates electromagnetic (EM) waves by bouncing them. When EM waves leave a computer monitor, for example, some EM waves will be absorbed by bamboo charcoal/activated carbon before reaching the human body.

APPLICATIONS OF BAMBOO CHARCOAL/ACTIVATED CARBON

FOR ELECTROMAGNETIC (EM) WAVE PROTECTION

Place some bamboo charcoal/activated carbon near electrical appliances like personal computer and television set to dissipate the EM waves.

FOR ODOUR & HUMIDITY PROTECTION

Place bamboo charcoal/activated carbon packs in car, shoe rack, wash room, and kitchen to remove odour, absorb moisture, and prevent shoes and clothing from mildew formation.

FOR SKIN CARE

Bamboo charcoal/activated carbon and vinegar make excellent ingredients for skin care products as the former has excellent cleansing quality whilst the latter is an excellent skin nourisher.

FOR BATH & SHOWER

Taking a bamboo charcoal/activated carbon spa bath will give the bather a revitalizing hot-spring experience. For shower, you can use a bar of bamboo charcoal/activated carbon or vinegar soap. A few drops of bamboo vinegar in the water are beneficial too.

FOR BEDDING

Bamboo charcoal/activated carbon support pillow and mattress cushion promote a deeper sleep. Negative ions and far infrared rays emitted will stimulate blood circulation, reduce fatigue, and improve metabolism. Such products have positive effects on sour shoulders, neck strain, insomnia, and respiratory health.

FOR REFRIGERATOR

Absorbs unpleasant smell, and helps to maintain the freshness of food by absorbing ethylene gas produced by vegetables and fruits.

FOR WATER PURIFICATION & Rice COOKING

If you put 50 to 60 grams of bamboo charcoal in one litre of water, you will increase the mineral content and soften the water, making it excellent for drinking. When cooking with rice, bamboo charcoal will emit infrared and release minerals which will provide extra sustenance and flavour.

BAMBOO VINEGAR

Bamboo vinegar, a by-product of charcoal production, is made by cooling moist smoke from the kiln. It is used for many purposes, from anti-bacterial agents and agricultural insecticides to deodorants, bath additives, and products to enhance health and beauty.

FOR FISH TANKS & GARDENING

Place some bamboo charcoal pieces in the tanks to keep the water clean and healthy for the fishes. For gardening, your plants will grow better with better aeration and humidity condition.

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