

DAINEN CO., LTD.

Environmental purification countermeasure using Activated Carbon

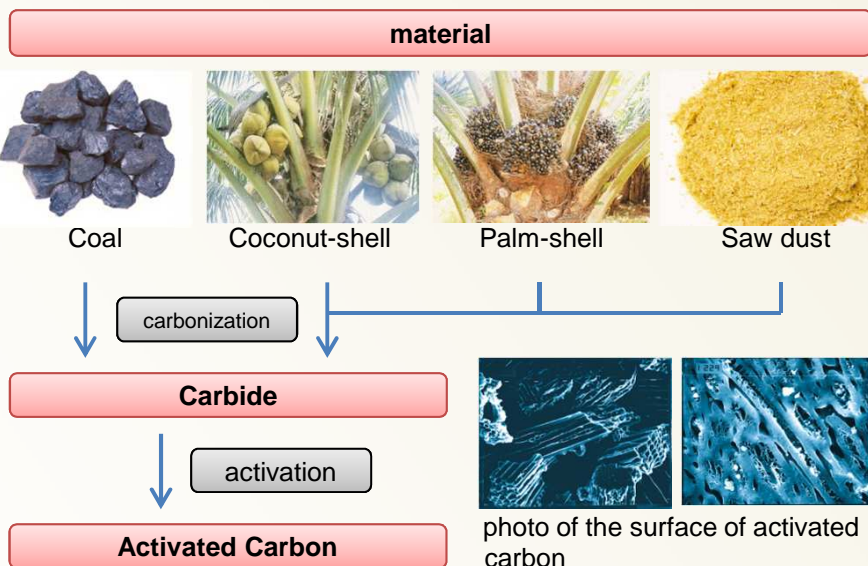
• For 40 years we have developed manufacturing technology to provide high quality activated carbon.

Features

- We are able to provide exactly what you need because of our wide range of activated carbon products which is produced from coal, coconut-shell, palm-shell and wood.
- Activated carbon has very wide surface area around 1000m²/g and it is able to adsorb various substance.
- Granular activated carbon can be reused except for special usages, and recycled by our companys' equipments.

Overview (Technical principles, actions, etc.)

Materials of activated carbon and manufacture process.



•Water Treatment

We have a rang of activated carbon for water treatment to provide exactly what you need.

For example,if you wish to remove low molecular like trihalomethane in wastewater, we will propose optimum coconut-shell carbon which is microporous activated carbon.

•Gas Treatment

When compared to natural products, our products have a higher adsorption rate, because our activated carbon has special chemicals that react to remove had odours like hydrogen sulfide, amonia etc. Also we have high quality activated Carbon for VOC.

•Other(one example)

For Electric double layer capacitors - We have a high performance activated carbon that has a wide surface area and few impurities.

For Removing color and Purifying amino acid etc...-

We have a carbon that is capable of effectively removing color that becomes activated by chemicals. In addition, it can be a food-additive which has been approved by Ministry of Health, Labour and Welfare.

What is carbonization? This is the term used to describe how an organic material turns into carbon or has carbon containing residue after the material is heated without oxygen.

What is activation? This is the term used to describe how lots of pores in carbide are produced when using a high temperature vapor or CO₂ gas of 800~1000°C.



Installation Examples

Main customers

- National government agencies (filtration plant, garbage incineration plant, sewage plant, human-waste treatment plant)
- Domestic plant makers.
- Domestic water filter manufacturers, pocket warmers (air activated type) , manufacturers, sticks of incense manufacturers etc...

Effects

- Granular activated carbon → application :deodorizing, water treatment, solvent recovery
brand: PL series / PG series
- Powder activated carbon → application : water treatment, water clarification
brand: PL-P series
application: dioxin treatment
brand: DCP series / PGD series

We are able to produce activated carbon according to your needs by adjusting adsorption performance, granularity, volume density, sedimentation velocity, loss of pressure and backwashing deployment rate etc.

Inquiries

DAINEN CO., LTD.

Environment

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