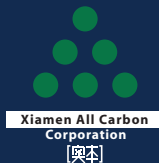


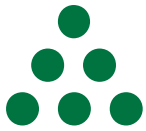
Activated Carbon

Anthracite and other filter media...

c l e a n t h e e a r t h



Xiamen All Carbon Corporation
www.allcarbon.com.cn



Dear Sirs,

We are pleased to hereby introduce to you Xiamen All Carbon Corporation and the high quality Activated Carbon.

Xiamen All Carbon Corporation is a professional supplier of high quality activated carbon. With 30 years of experience, ACC has grown to produce over 80 different types of activated carbon, applied as adsorbent, catalyst or catalyst carrier...Moreover, ACC is capable to provide total solution and customize activated carbon precisely for your applications.

ACC activated carbon is manufactured from selected materials of coal, wood and coconut shell. Many different types are available, including Pellet, Powder, Extruded, Briquettes, Spherical activated carbon. All of them could be further treated with water/acid washed, impregnation process etc.

Here are just a few Things that ACC has to offer

- Same Day Quotations and Immediate Shipment
- Complete Tracking of Your Order
- All Products Shipped Together
- ISO 9002 quality Control System
- NSF & European Drinking Water Inspectorate Approved
- Meet AWWA and Food Chemical Codex Standards

Cao Junwen

President of Xiamen All Carbon Corporation



Specification Scope

Coal Based AC	
Appearance	Pellet/Granular/Powder
Iodine Number	> 1400 mg/g
CTC	> 115%
Ash	< 4%
Hardness	> 99%
Surface Area	> 1500 m ² /g
Arsenic content	< 5 mg/kg

Wood Based AC by Physical Activation	
Appearance	Pellet/Granular/Powder
Iodine Number	> 1250 mg/g
Methylene Blue	> 250 mg/g
Ash	< 1%
Surface Area	1000-1500 m ² /g

Wood Based AC by Chemical Activation	
Appearance	Pellet/Granular/Powder
Iodine Number	> 1800 mg/g
CTC	> 120%
Methylene Blue	> 300 mg/g
Ash	< 1%
Hardness	95%
Surface Area	> 2500 m ² /g

Coconut Shell Pellet by Physical Activation	
Appearance	Pellet/Granular/Powder
Iodine Number	> 1600mg/g
CTC	> 90%
Ash	< 3%
Hardness	> 95%
Surface Area	> 1600 m ² /g

Coconut Shell AC by Chemical Activation	
Appearance	Pellet/Granular/Powder
Iodine Number	> 1800 mg/g
CTC	> 120%
Methylene Blue	> 300 mg/g
Ash	<1%
Hardness	95%
Surface Area	1000-25000 m ² /g

Hot Products



Xiamen All Carbon Corporation

Technical Datasheet

Coal Based Powder Activated Carbon

Features & Benefits

- High activity
- High adsorption capacity
- Strictly controlled particle size

This series of activated carbon is a high activity powdered carbon manufactured by steam activation from select grades of coal. It is designed for the adsorption of low concentrations of medium to high molecular weight contaminants in water treatment applications.

Specification	Values
Iodine Number	500-1000mg/g min
Moisture Content	5% max
Ash Content	8% max, 10% max, 12% max, 15% max
Apparent Density	550-650kg/m ³
Size	200 US Mesh, 325 US Mesh or as per your requests

Notes: the specification can be offered as per clients' requests.

Package

Packed is in jumbo bag (500-600kg) vinyl bags. Other packaging is available upon your request

Standard

All of the above test methods are performed using ASTM protocol for activated carbon.

Safety

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed.



Technical Datasheet

Granular Activated carbon

Non-acid washed low ash

- **High Adsorption Capacity**
- **Non-acid washed, Low chloride content**
- **Highly developed of Mini Pore Structure**

AC low ash is a premium grade product manufactured by unique activation process and from selected grades of anthracite coal. It is a kind of mini-pore activated carbon, with more surface area and developed pore structure.

Specification

Iodine	900mg/g /950mg/g /1000mg/g	
Moisture	5.0%	max
Hardness	90%	min
Ash Content	7%	max
pH	8-11	
Bulk Density	450~500kg/m ³	
Size	8x30/12x40/6x12 US Mesh or as per requests	

Package

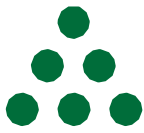
packed is in 25kg/bag , 22mt/40ft, pallet. Other packaging is available upon your request

Standard

All of the above test methods are performed using ASTM protocol for activated carbon.

Safety

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed.



AC Aquasorb Series

Technical Datasheet

Description

AC Aquasorb Series are developed for the removal of taste and odor compounds and dissolved organic compounds in potable water treatment.

AC Aquasorb Series are manufactured from select grades of bituminous coal. The bituminous-based raw material coal is pulverized and reagglomerated with suitable binder in order to produce a high activity, durable granular product capable of withstanding the abrasion associated with repeated backwashing, air scouring, and hydraulic transport.

AC Aquasorb is produced from bituminous coal, which has high volatile matter. It is characterized by developed meso and macro pore volume and suitable for water treatment & sugar decolorization.

Activation is controlled to produce exceptionally high internal surface area with optimum pore size for effective adsorption of a broad range of high and low molecular weight organic contaminants.

Features

Benefits

⌘ Bituminous-based raw material

⌘ High density

⌘ Coal is pulverized & reagglomerated with suitable binder

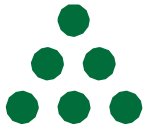
⌘ Provides higher hardness relative to other raw material reducing the generation of fines and product losses during backwashing.

⌘ Pore structure provides a wider range of contaminant removal capabilities relative to other starting materials.

⌘ Aquasorb are of high density, wet readily, and do not float, thus minimizing loss during backwash operations.

⌘ Creates optimal transport paths for faster adsorption.

⌘ Generates the hardness and abrasion resistance required for thermal reactivation and minimizes generation of fines in operations requiring backwashing.



AC Aquasorb

	<u>I 900</u>	<u>I 950</u>	<u>I1000</u>	<u>I1050</u>
Iodine Number	900mg/g min	950mg/g min	20mg/g min	1050mg/g min
Ash Content	12%	12%	13%	13%
Hardness	90% min	90% min	90% min	90% min
Bulk Density	440 ± 30kg/ m ³	420 ± 30kg/m ³	400 ± 30kg/m ³	380 ± 30kg/m ³
Methylene blue	180mg/g	190mg/g	200mg/g	210mg/g
Typical Mesh Size	4x8, 8x30, 12x40	4x8, 8x30, 12x40	4x8, 8x30, 12x40	4x8, 8x30, 12x40
Moisture	3-5% max (as packed)	3-5% max (as packed)	3-5% max (as packed)	3-5% max (as packed)

Package

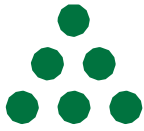
Packed in 450kg bag or 500kg bag. Other packaging is available upon your request

Standard

All of the above test methods are performed using ASTM protocol for activated carbon.

Safety

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed.



Technical Datasheet

ACDS Series

Non-impregnated Coal Based Activated Carbon for H₂S Removal

Description

ACDS is one kind of carbon media combining with premium quality bituminous coal and selected active ingredients produced by the special manufacturing technology. It gives ACDS extraordinary high H₂S breakthrough capacity. This odor control media is not impregnated and therefore, does not suffer the serious problem associated with alkali-impregnated carbons during handling, transportation and waste material disposal. The ignition temperature of ACDS is closed to the regular coal based carbon (>450°C).

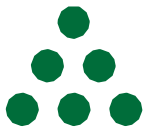
ACDS is one kind of microporous carbon with large surface area, well developed pore structure. "Non – impregnated" ACDS means all of pore volume and surface area can be used to absorb Sulfur element during process of catalytic and oxidative to H₂S.

Features & Benefits

- Exceptionally high H₂S loading capacity.
- Non-impregnated, Non-corrodible.
- Longer bed life with fewer service interruptions, lower O&M costs.
- High ignition temperature (>450°C).
- No dangerous pH problems when spent.
- Low-pressure drop.

Applications

- Odor control.
- Sewage treatment plants.
- Refineries and pulp/paper mills.
- Acidic gases such as HCL and SO₂.
- Volatile Organic Compounds (VOC).



ACDS Series

	<u>ACDS-10</u>	<u>ACDS-15</u>	<u>ACDS-20</u>	<u>ACDS-30</u>
Moisture Content	15% max	15% max	15% max	15% max
Hardness	95% min	95% min	90% min	90% min
Iodine Number	950 mg/g min	---	---	---
H2S	0.1 g/cc min	0.15 g/cc min	0.2 g/cc min	0.3 g/cc min
CTC	60% min	---	70% min	75% min
Apparent Density	500-560 g/L	560±20 g/L	460-520 g/L	420-460 g/L
Particle Size	3.5-4mm	3.5-4mm	3.5-4mm	3.5-4mm

Package

Packed in 500kg/bag. Other packaging is available upon your request

Standard

All of the above test methods are performed using ASTM protocol for activated carbon.

Safety

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed.

Activated Coke Technical Datasheet

Description

Activated Coke is a carbonaceous material produced by steam activation. It has high mechanical strength against abrasion and crushing. Its surface area is 150-300 m²/g, less than the conventional activated carbon but much higher than the metallurgical coal. Activated coke is a porous material used to remove organic compounds from liquid and gases by a process known as adsorption. In this application, it is used for high efficiency desulfurization and used to adsorb pollutants such as Hg, SO₂, SO₃ or NO_x from boiler flue gas, power plant and city waste burning smoke, etc.

Features & Benefits

- High Efficiency of DeSulfurization
- Hardness and Durable
- Non Impregnated Large Grain

Specification

	<u>DS35</u>	<u>DS40</u>
DeSulfurization	35mg/g	40mg/g
Roga Hardness	95% min	95% min
Bulk Density	0.57-0.71 kg/l	0.57-0.71 kg/l
Ignition Temperature	380°C	380°C
Specific Surface Area	150 m ² /g min	150 m ² /g min
Particle Size	9-10mm	9-10mm

Package

Packed in 1000kg/bag, 1bag/pallet, 10MT/20GP, 22MT/40HQ.

Standard

All of the above test methods are performed using ASTM protocol for activated carbon.

Safety

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed.



Technical Datasheet

Coconut Shell-based Granular Activated carbon High Iodine No. & Large Surface Area

- Large Surface Area
- Highly developed of Mini Pore Structure

CAC high Iodine is a premium grade product manufactured by unique activation process and from selected grades of coconut-shell. It is a kind of mini-pore activated carbon, with more surface area and developed pore structure.

Specification

Iodine	1200mg/g	1300mg/g	1400mg/g	1500mg/g
MB	210mg/g	240mg/g	270mg/g	300mg/g
Moisture	5.0% max	5.0% max	5.0% max	5.0% max
Hardness	95% min	95% min	95% min	95% min
Ash Content	3% max	3% max	3% max	3% max
Bulk Density	350-400kg/m ³	350-400kg/m ³	350-400kg/m ³	350-400kg/m ³
pH	8-11	8-11	8-11	8-11
Size	8x30/12X30/12x40 US Mesh or as per requests			

Package

packed is in 25kg/bag or 350kg/bag. Other packaging is available upon your request

Standard

All of the above test methods are performed using ASTM protocol for activated carbon.

Safety

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed.



CAC Pellet

Technical Datasheet

Description

CAC Pellet series are pellet activated carbon produced from coconut shell, either by high temperature steam activation or Chemical activation under stringent quality control. They have a large surface area, high mechanical hardness, high pore volume and chemical stability.

This series is very unique to the coconut shell activated carbon industry and there are several different choices exclusively available from one source through All Carbon.

Specification

	<u>CAC Pellet S</u>	<u>CAC Pellet C</u>
Pellet Size Available	1.5/2.0/3.0/4.0mm	2.0/3.0/4.0mm
Iodine Number	1100-1400mg/g	800-1200mg/g
CTC	60% - 90%	100%-150%
Bulk Density	460-520kg/M3	320-400kg/M3
Hardness*	97%	80%-95%
Ash	5% max	5% max
pH	4—10	3—5
Activation	Steam Activation	Chemical Activation

* Note: Hardness value will vary with the Pellet Size

Package

Packed in 25kg bag or big jumbo bag. Other packaging is available upon your request

Standard

All of the above test methods are performed using ASTM protocol for activated carbon.

Safety

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed.



CAC Pellet 2mm

Technical Datasheet

Description

CAC Pellet series are pellet activated carbon produced from coconut shell, either by high temperature steam activation or Chemical activation under stringent quality control. They have a large surface area, high mechanical hardness, high pore volume and chemical stability.

This CAC Pellet 2mm is activated by chemical activation with high adsorption ability, specially used in medical sector to clean anaesthetic gas from Fluranes (Sevoflurane, Enfluran, Desfluran).

Specification

	<u>CAC Pellet 2mm</u>
Pellet Size Available	2mm
Iodine Number	800-1200mg/g
CTC	120% ± 5
Bulk Density	365g/l ± 10
Hardness*	80% min
Ash	5% max
pH	3-5
Activation	Chemical Activation

* Note: Hardness value will vary with the Pellet Size

Package

Packed in 25kg bag or big jumbo bag. Other packaging is available upon your request

Standard

All of the above test methods are performed using ASTM protocol for activated carbon.

Safety

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed.



2016 ACC Canister Carbon (Evaporative Emission Control)

Items		Specifications					
		Granular Type					
		EVAP G1100		EVAP G1300		EVAP G1500	EVAP G1600
		8x20	6x14	8x20	6x14	8x20	8x20
Apparent Density,g/ml		0.24-0.30	0.24-0.30	0.24-0.30	0.24-0.30	0.24-0.30	0.24-0.30
BWC,g/100ml		>11.0	>11.0	>12.8	>12.8	>14.8	>15.8
Butane adsorptive rate,%		<18	<18	<18	<18	<18	<18
Hardness Number,%		>50	>50	>50	>50	>35	>35
water resistance,%		≥96	≥96	≥96	≥96	≥96	≥96
Moisture,%		<5	<5	<5	<5	<5	<5
Ash,%		<8	<8	<8	<8	<8	<8
Particle Distribution ,%	Mesh Max,%	above 8 mesh <5	above 6 mesh <5	above 8 mesh <5	above 6 mesh <5	above 8 mesh <5	above 8 mesh <5
	Mesh Min,%	below 20 mesh <5	below 14 mesh <5	below 20 mesh <5	below 14 mesh <5	below 20 mesh <5	below 20 mesh <5
	-0.25mm(-60 mesh),%	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Mean Diameter,mm		>1.5	>2.35	>1.5	>2.35	>1.5	>1.5
PH		2-7	2-7	2-7	2-7	2-7	2-7

Technical Datasheet

Wood Based Pellet Activated Carbon for H2S Removal

Features & Applications

To be applied in the fields of Impregnated Activated Carbon and other smell gas controlled AC. The existence of CO2 doesn't affect the Activated carbon performance to H2S and other acidic gases. With Size 4mm, it guarantees the airstream faces less pressure loss when in adsorbent equipments. Meanwhile, higher Hardness decreases the powder when Activated carbon is in application. The main application domains: smell gas control, sewage treatment, refinery, pulp mill and paper mill, acidic gases, such as HCL, SO2 and volatile organic compounds.

Specification

Item	Moisture (%)	Hardness (%)	CTC (%)	H2S(g/cc)	Tamped Density (g/l)	Size(mm)
MZ-10	≤15	≥95	≥65	≥0.1	450±20	Φ 3.5-4.0
MZ-15	≤15	≥95	≥70	≥0.15	400±20	Φ 3.5-4.0
MZ-20	≤15	≥90	≥75	≥0.2	400±30	Φ 3.5-4.0
MZ-30	≤15	≥90	≥85	≥0.3	400±30	Φ 3.5-4.0

Notes: the specification can be offered as per clients' requests.

Package

packed is in small bags (20kg/25kg), jumbo bag (300kg/320kg/500kg) vinyl bags. Other packaging is available upon your request

Standard

All of the above test methods are performed using ASTM protocol for activated carbon.

Safety

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed.

Technical Datasheet

Wood Based Pellet Activated Carbon for Water Purification Application, especially for industry water treatment

Features & Applications

For drinking water purification, waste water and sewage advanced treatment, ultrapure water preparation in Electronic Industry and Pharmaceutical Industry, organic matter removal from water, etc.

Specification

Item	Moisture (%)	Hardness (%)	Ash (%)	Iodine (%)	Methylene Blue (mg/g)	Tamped Density (g/l)	PH	Size(mm)
MS-30	≤5	≥98	≤6	≥1000	≥180	380±20	4-11	Φ 3.0
MS-30	≤5	≥98	≤7	≥1100	≥200	350±20	4-11	Φ 3.0
MS-40	≤5	≥98	≤6	≥1000	≥180	380±20	4-11	Φ 4.0
MS-40	≤5	≥98	≤7	≥1100	≥200	350±20	4-11	Φ 4.0

Notes: the specification can be offered as per clients' requests.

Package

packed is in small bags (20kg/25kg), jumbo bag (300kg/320kg/500kg) vinyl bags. Other packaging is available upon your request

Standard

All of the above test methods are performed using ASTM protocol for activated carbon.

Safety

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed.



Technical Datasheet

Wood Based Pellet Activated Carbon for Pressure Swing Adsorption

Features & Applications

To separate N2, CO2 from air; to separate Methane from fermentation gas; to decompose gas from Methanol and to separate H2 from blast furnace gas, etc.

Specification

Item	Moisture (%)	Hardness (%)	Ash (%)	Iodine (%)	CTC (%)	Tamped Density(g/l)	Size(mm)
MB-3080	≤3	≥98	≤7	≥1100	≥80	360±20	Φ 3.0
MB-3060	≤3	≥98	≤7	≥1000	≥60	380±20	Φ 3.0
MB-2580	≤3	≥95	≤7	≥1100	≥80	360±20	Φ 2.5
MB-2560	≤3	≥98	≤7	≥1000	≥60	380±20	Φ 2.5

Notes: the specification can be offered as per clients' requests.

Package

packed in small bags (20kg/25kg), jumbo bag (300kg/320kg/500kg) vinyl bags. Other packaging is available upon your request

Standard

All of the above test methods are performed using ASTM protocol for activated carbon.

Safety

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed.

Technical Datasheet

Ultra-low Ash Wood Based Activated Carbon

Features & Applications

For drinking water purification and deodorization; deodorization and refining for brewing industry, catalyst, carrier, pharmaceutical and chemical medicine.

Specification

Item	Moisture (%)	Hardness (%)	Ash (%)	Iodine (%)	Methylene Blue (mg/g)	Tamped Density(g/l)	PH	Size(mm)
MD-1000	≤5	≥98	≤2	≥1000	≥180	380±20	5-7	Φ 4.0
MD-1100	≤5	≥95	≤2	≥1100	≥200	350±20	5-7	Φ 4.0
MD-1000	≤5	≥90	≤2	≥1000	≥180	380±20	5-7	Φ 3.0
MD-1100	≤5	≥90	≤2	≥1100	≥200	350±20	5-7	Φ 3.0

Notes: the specification can be offered as per clients' requests.

Package

packed is in small bags (20kg/25kg), jumbo bag (300kg/320kg/500kg) vinyl bags. Other packaging is available upon your request

Standard

All of the above test methods are performed using ASTM protocol for activated carbon.

Safety

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed.

Technical Datasheet

Wood Based Pellet Activated Carbon for gas purification

Features & Applications

To be applied in chemical industry material gas, chemical synthesis gas, pharmaceutical used gas, CO₂ for beverage used and the purification for H₂, N₂, HCL, Ethylene, Ethane, Cracking gas, Inert gases, etc. and the purification, separation and refining for exhaust of atomic facility.

Specification

Item	Moisture (%)	Hardness (%)	Ash (%)	Iodine (%)	CTC (%)	Tamped Density(g/l)	Size(mm)
MJ-3090	≤5	≥90	≤7	≥1000	≥90	380±20	Φ 3.0
MJ-30100	≤5	≥90	≤7	≥1100	≥100	350±20	Φ 3.0
MJ-4090	≤5	≥98	≤7	≥1000	≥90	380±20	Φ 4.0
MJ-40100	≤5	≥95	≤7	≥1100	≥100	350±20	Φ 4.0

Notes: the specification can be offered as per clients' requests.

Package

packed in small bags (20kg/25kg), jumbo bag (300kg/320kg/500kg) vinyl bags. Other packaging is available upon your request

Standard

All of the above test methods are performed using ASTM protocol for activated carbon.

Safety

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed.



Technical Datasheet

Wood Based Pellet Activated Carbon for Catalyst and Carrier

Features & Applications

To be mainly applied in the treatment of smelly poisonous industrial waste gas, including H₂S, Sulfur based alcohol, SO₂, dimethyl sulfide, methyl sulfide, mercury vapor, NH₃, etc.

Specification

Item	Moisture (%)	Hardness (%)	Catalyst Content (%)	H ₂ S(g/cc)	CTC (%)	Tamped Density(g/l)	Size (mm)
SAC-3070	≤5	≥98	---	≥0.15	≥70	400±20	Φ 3.0
SAC-3080	≤5	≥98	---	≥0.15	≥80	380±20	Φ 3.0
SAC-4070	≤5	≥98	---	≥0.15	≥70	400±20	Φ 4.0
SAC-4080	≤5	≥98	---	≥0.15	≥80	380±20	Φ 4.0

Notes: the specification can be offered as per clients' requests.

Package

packed is in small bags (20kg/25kg), jumbo bag (300kg/320kg/500kg) vinyl bags. Other packaging is available upon your request

Standard

All of the above test methods are performed using ASTM protocol for activated carbon.

Safety

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed.

Technical Datasheet

Wood Based Pellet Activated Carbon for Solvent Recovery

Features & Applications

With strong performance in separation and recovery on organic solvent and organic vapor, such as Ether type, Ketones, Alcohol type, Tetrahydrofuran, dichloromethane, chloroform, trichloroethene, vinyl chloride, carbon disulfide, benzene, toluene, formyl, gasoline, fluorinated hydrocarbons, etc.

Specification

Item	Moisture (%)	Hardness (%)	Ash (%)	Benzene Adsorption (%)	CTC(mg/g)	Tamped Density(g/l)	Ignition Point(°C)	Size(mm)
MZ-20100	≤5	≥80	≤7	≥50	≥100	360±20	380±30	Φ 2.0
MZ-20110	≤5	≥80	≤7	≥55	≥110	360±20	380±30	Φ 2.0
MZ-3090	≤5	≥90	≤7	≥40	≥90	380±20	380±30	Φ 3.0
MZ-30100	≤5	≥90	≤7	≥45	≥100	360±20	380±30	Φ 3.0
MZ-4090	≤5	≥98	≤7	≥40	≥90	380±20	380±30	Φ 4.0
MZ-40100	≤5	≥95	≤7	≥45	≥100	360±20	380±30	Φ 4.0
MZ-40120	≤5	≥95	≤7	≥55	≥120	350±20	380±30	Φ 4.0

Notes: the specification can be offered as per clients' requests.

Package

packed is in small bags (20kg/25kg), jumbo bag (300kg/320kg/500kg) vinyl bags. Other packaging is available upon your request

Standard

All of the above test methods are performed using ASTM protocol for activated carbon.

Safety

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed.

Technical Datasheet

Wood Based Granular Activated Carbon

Features & Applications

To be applied in Military Anti-virus Carbon and to be filled in various Anti-virus Filter Mask; the catalyst for Mine Filter Self Rescuer Drying Agent; Gas Particulate Filtering Unit; Organic Solvent Recovery; gasoline Recycle; air purification; water purification; Deodorization and refining for brewing industry, catalyst, carrier, pharmaceutical and chemical medicine.

Specification

Item	Moisture (%)	Hardness (%)	Ash (%)	Iodine (mg/g)	CTC(mg/g)	Tamped Density(g/l)	BWC (g/100ml)	Mesh Size
QR-6*8	≤5	≥70	≤6	≥1000	≥100	340±20	≥10	6×8
QR-6*16	≤5	≥60	≤6	≥1000	≥100	340±20	---	6×16
QR-8*30	≤5	≥50	≤6	≥1000	≥100	340±20	---	8×30
QR-20*40	≤5	≥50	≤6	≥1000	≥100	340±20	≥11	20×40
QR-20*50	≤5	≥50	≤6	≥1000	≥100	340±20	≥11	20×50
QR-40*80	≤5	≥50	≤6	≥1000	≥100	340±20	≥11	40×80

Notes: the specification can be offered as per clients' requests.

Package

packed is in small bags (20kg/25kg), jumbo bag (300kg/320kg/500kg) vinyl bags. Other packaging is available upon your request

Standard

All of the above test methods are performed using ASTM protocol for activated carbon.

Safety

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed.



Technical Datasheet

Wood based Powder Activated Carbon by Chemical Activation (H3PO4 activation & ZnCL2 Activation)

Features & Applications

This series of powder activated carbon is made from high quality charcoal. It is used for the decolorization and purification of sucrose, maltose , glucose , starch sugar, lactose. It is also used in the Edible oil decolorizing and purification. The Mono Sodium Glutamate (MSG) decolorizing also benefit from this powder carbon.

Specification

Specs	Unit	Application & Values				
Application		Edible oil decolorizing	Sweetener / Sugar industry		MSG	
Activation mode		Chemical	Chemical	Chemical	Chemical	Chemical
Caramel Decolorizing	%	110	110	100-110	120	---
Methylene Blue	mg/g	200	225	---	240	180
Moisture	%	10	10	10	10	10
pH		2-3	2-3	2-6	2-3	5-8
Ash	%	8	6	4-7	6	8
Fe Content	%	0.05	0.1	0.1	0.05	0.1
Chloride Content	%	0.1	0.1	0.2	0.1	0.1
Acid-soluble substance	%	---	---	1.5	---	---
Size (200mesh)		95% pass thru	95% pass thru		95% pass thru	

Notes: the specification can be offered as per clients' requests.

Package

packed is in small bags (20kg/25kg), jumbo bag (300kg/320kg/500kg) vinyl bags. Other packaging is available upon your request

Standard

All of the above test methods are performed using ASTM protocol for activated carbon.

Safety

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Technical Datasheet

Wood based activated carbon used in Pharmaceutical

Features & Applications

This product is made by high quality saw dust and charcoals through special production process . With the appearance of black powder, this product is featured by large specific surface area, strong adsorption capacity, fast filtration speed and high purity of decoloration, etc. This product applies to the bleaching purification of drugs, pharmaceutical raw materials, pharmaceutical intermediates, biochemicals, plant extracts and other products, conforming to International Standard.

Specification

Specs	Unit	Value	
Methylene Blue	mg/g	200-210	120-130
Acid Dissolved	mg	10 max	---
Quinine sulfate adsorption value	mg/g	---	120
Moisture	%	10 max	10-15
Ash	%	3 max	3-5
Fe	%	0.05 max	0.05-0.1
Zn	%	0.02 max	0.005-0.05
Acid-soluble substance	%	---	1-3.5
Sulfates	%	---	0.05-0.1
Chlorides	%	0.1 max	0.1-0.2
pH value		---	3-7
Heavy metal	%	0.003 max	Passed

Notes: the specification can be offered as per clients' requests.

Package

packed is in small bags (20kg/25kg), jumbo bag (300kg/320kg/500kg) vinyl bags. Other packaging is available upon your request

Standard

All of the above test methods are performed using ASTM protocol for activated carbon.

Safety

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed.



Supercapacitor Activated Carbon

Features & Benefits

- Large surface area and high adsorption capacity
- Controlled pore size distribution
- High purity activated carbon, Low impurities
- High performance and High reliability

EDLC-C16 & EDLC-C20

Double layer capacitors, supercapacitors or ultracapacitors are of particular interest in the sustainable energy field because of the optimization role that they can play in providing a buffer between power and energy supply and demand.

EDLC-C16 & EDLC-C20 is powdered type activated carbons for electric double-layer capacitors. EDLC-C20 is wood-based, high surface area activated carbon in pure quality specially designed to meet Supercapacitor needs.

Specification

	<u>EDLC-C16</u>	<u>EDLC-C20</u>
Total Surface Area	1800-2000m²/g	1800-2000m²/g
Pore Volume	1.1-1.2cc/g	1.1-1.2cc/g
Particle Diameter	5-10 micros	5-10 micros
Ash Content	1.0% max	1.0% max
Moisture	5.0% max	5.0% max
Density	0.4-0.6g/cc	0.4-0.6g/cc
Capacitance	16-17F/cc	20F/cc

Package

Packed in 25kg bag or 500kg bag. Other packaging is available upon your request

