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DATA SHEET

Commodity: ACTIVATED CARBON

Type: EP-BG (series)

EP-BG(series): Granular Coal based Activated carbon for adsorption impurities in Water /Drinking water Treatment , Aquaria area, Solvent purification Deducing COD, Chemical production, etc

Distinguishing feature:

- (1) High Adsorption Capacity & Surface Area
- (2) Wide range of pore size distribution, especially rich in mesopore and macropore.
- (3) Largely used in many Liquid Application Areas

Application

EP-BG(series) coal based activated carbons are produced from naturally excellent quality coal. And it is specially designed with high adsorption value, wide range of pore size distribution, especially rich in mesopore and macropore. So this type's activated carbon are very suitable for adsorption of big molecule in liquid area. It is widely used in Water/Drinking water Treatment, Aquaria area, Solvent purification Deducing COD, adsorption big molecular matters in chemical production or other area. It is characterized by excellent adsorption, high mechanical strength, high surface area and rich cellular structure.

Product Specification:

| ITEM/TYPE | EP-BG-G | EP-BG-S | EP-BG-H |
|---|---|--|---|
| Iodine value mg/g min | 900 | 950 | 1000 |
| Methylene blue adsorption mg/g min(based on content of MB 1.5%) | 165 | 165 | 180 |
| Ash Content % max | 16 | 16 | 17 |
| Hardness % min | 90 | 90 | 90 |
| Moisture % max (as packed) | 5 | 5 | 5 |
| Bulk Density g/l | 460-520 | 460-520 | 450-490 |
| Particle size 90%min passed | 8x30mesh, 12x40mesh, 8x16mesh, 4x8mesh | 8x30mesh, 12x40mesh, 8x16mesh 4x8mesh | 8x30mesh, 12x40mesh, 8x16mesh, 4x8mesh |

Packing: 25kg bag, 500kg jumbo bag or pallet packing or as per customer's requirement

Inspection standard: the above specification is based on Chinese Government standard GB

And customer can also inspect as per American ASTM standard.

Safety

Wet activated carbon depletes oxygen from air and, therefore, dangerously low levels of oxygen maybe encountered. Whenever workers enter a vessel containing activated carbon, the vessel's oxygen content should be determined and work procedures for potentially low oxygen areas should be followed. Appropriate protective equipment should be worn. Avoid inhalation of excessive carbon dust. No problems are known to be associated in handling this material. However, dust may contain greater than 1.0% silica (quartz). Long-term inhalation of high dust concentrations can lead to respiratory impairment. Use forced ventilation or a dust mask when necessary for protection against airborne dust exposure.