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DATA SHEET

Commodity: ACTIVATED CARBON

Type: EP-BG-AW-LI (series)

EP-BG-AW-LI(series): Especially designed coal based acid washed type, low iron content, suitable for decoloration and odor and taste removal in Drinking Water Treatment, sugar industry and Aquaria area, etc

Distinguishing feature:

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

Application

EP-BG-AW-LI(series) coal based acid washed activated carbons with very lower impurities, very lower iron content and acid solubilities content. So this type can be more suitable for the strict requirements on impurities areas and it has longer operation life. 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 Drinking Water Treatment, sugar industry, Aquaria area, Solvent purification, Deducing COD, adsorption big molecular matters in chemical production or other area.

Product Specification:

ITEM/TYPE	EP-BG-AW-LI-G	EP-BG-AW-LI-S
Iodine value mg/g min	900	950-1000
Methylene blue adsorption mg/g min (based on content of MB 1.5%)	175	185
Ash Content % max	6-11	6
Acid soluble Iron content ppm	400	200
Water solubility % max	0.5	0.5
Hardness % min	90	90
Moisture % max (as packed)	5	5
Bulk Density g/l	460-520	440-500
Particle size 90%min passed	8x30mesh, 12x40mesh, 20x40mesh, 8x16mesh, 4x8mesh	8x30mesh, 12x40mesh, 20x40mesh, 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 may be 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.