



# EPOCHEMMIE CO., LTD

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## DATA SHEET

**Commodity:** ACTIVATED CARBON

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

**EP-BG-AW(series):** Granular Acid Washed Coal based Activated Carbon for adsorption impurities in 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-AW(series) coal based acid washed activated carbons with low impurities 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, 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-AW-G	EP-BG-AW-S
Iodine value mg/g min	900	950
Methylene blue adsorption mg/g min (based on content of MB 1.5%)	165	165
Ash Content % max	8-12	8-12
Hardness % min	90	90
Moisture % max (as packed)	5	5
Bulk Density g/l	460-520	460-520
Particle size 90%min passed	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.