



# EPOCHEMMIE CO., LTD

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## DATA SHEET

**Commodity:** ACTIVATED CARBON

**Type:** EP-AU(series)

**EP-AU(series)** : Special Designed for AUTO using and Solvent recovery Wood based pellet/Pearl Activated carbon

### **Distinguishing feature:**

- (1) Service life is more 4-5 times than general coal based activated carbon
- (2) Excellent efficiency for solvent recovery with super adsorption and desorption ability
- (3) Suitable for almost all of organic gases recovery
- (4) Higher hardness with super lower ash content
- (5) Reasonable distribution of pore size with 40-60% mesopore.
- (6) More safer with higher ignition temperature

### **Applications:**

In Vapour application areas: Based on unique technician and high pore volume this type is especially efficiency in AUTO emission , in Air Purification, in Solven Recovery (for example: Alcohol, glycol, n-Propanol, Freon, n-pentane , n-hexane , dimethylbenzene , methyl acetate, ester series solvent, ketone series, benzene, phenol, gasoline gases, acetone, hydrogen sulfide and so on) .

In Liquid application areas: The substitution of coal based activated charcoal uses in decolorization , water treatment , catalyst carrier, food areas, monosodium glutamate, sugar, juice, grape wine and so on. It meets the food grade requirement.

### **Specification:**

Remark: can be inspected by ASTM , JIS standard and Chinese GB standard.

ITEM/TYPE	EP-AU-P	EP-AU-G
Butane Adsorption g/cc min	30	35
CTC Adsorption % min	100	100
Benzene adsorption % min	45	45
Iodine Value mg/g min	1000-1300	1000
Moisture % max	5	5
Bulk Density g/l	320-420	320-360
Hardness % min	95-99	50-80
Surface area m <sup>2</sup> /g	1200-1800	1200-1800
Ignition temperature (D.C)	350-450	350-450
Ash content % max	4-7	3-6

Particle size mesh	2.0mm,3.0mm,4.0mm	6x8, 20x50
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**Packing:** 25kg bags or 500kg jumbo bags, or as per client's requirements

**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.