



# EPOCHEMMIE CO., LTD

[www.epochemmie.com](http://www.epochemmie.com)

E-mail: [sales@epochemmie.com](mailto:sales@epochemmie.com) [epochemmie@163.com](mailto:epochemmie@163.com)

## DATA SHEET

**Commodity:** ACTIVATED CARBON

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

**EP-CATALYST (series):** Pellet Coal based Activated carbon, largely used as catalyst or catalyst carrier in synthetic industry

### **Distinguishing feature:**

- (1) High Adsorption Capacity & Surface Area
- (2) High Hardness and Durable, suitable for regeneration
- (3) Largely used in many Gases Application Areas

### **Application**

EP-CATALYST (series) coal based activated carbons are produced from naturally excellent quality anthracite coal with low ash, low sulphur and very low water soluble material.

And it is specially designed with high adsorption value, especially rich in micropore, high surface area, rich cellular structure and excellent mechanical strength. It is widely used as catalyst or catalyst carrier in synthetic industry

As its excellent physical property, especially high hardness, this type is more suitable for regeneration when carbon is used for some time.

### **Product Specifications:**

ITEM/TYPE	EP-CATALYST60	EP-CATALYST70	EP-CATALYST50
CTC Adsorption %	60	70	50-60
Benzene Adsorption %	35	38	-----
Ash Content % max	12	12	13
Hardness % min	95	95	95
Moisture % max (as packed)	5	5	5
Bulk Density g/l	420-480	420-480	430-490
Ignition point D.C.min	350	350	-----
Particle size 90%min passed	2.0mm 3.0mm 4.0mm 1.5mm 0.9mm 2.5mm	2.0mm 3.0mm 4.0mm 1.5mm 0.9mm 2.5mm	2.0mm 3.0mm 4.0mm 1.5mm 0.9mm 2.5mm

### **Typical Properties:**

ITEM/TYPE	EP-CATALYST60	EP-CATALYST70
Butane adsorption % min	23.3	27.2

**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.