



# EPOCHEMMIE CO., LTD

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## DATA SHEET

**Commodity:** ACTIVATED CARBON

**Type:** EP-I-KOH (series)

**EP-I-KOH (series):** Pellet Coal based Activated carbon, Impregnated KOH, largely used to remove inorganic and organic sulfur in gas applications.

### **Distinguishing feature:**

- (1) KOH impregnated, for remove sulfur in gas applications
- (2) High Adsorption Capacity & Surface Area
- (3) High developed and reasonable pore structure

### **Application**

EP-I-KOH (series) coal based KOH impregnated 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 to remove inorganic and organic sulfur in gas areas.

### **Product Specifications:**

ITEM/TYPE	EP-I-KOH60	EP-I-KOH70
KOH impregnated content %	5-8% or as per request	5-8% or as per request
CTC Adsorption %	60	70
Hardness % min	95	95
Moisture % max (as packed)	15	15
Bulk Density g/l	530-660	530-660
Particle size 90%min passed	3.0mm 4.0mm 6.0mm	3.0mm 4.0mm 6.0mm

### **Typical Properties:**

ITEM/TYPE	EP-I-KOH60	EP-I-KOH70
Butane adsorption % min	23	27
H <sub>2</sub> S adsorption g/cc min	0.14	0.14
Benzene Adsorption %	35	38

**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.