



# EPOCHEMMIE CO., LTD

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## DATA SHEET

**Commodity:** ACTIVATED CARBON

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

**EP-WP(series)** : Wood based /coconut based, pellet / granular Activated carbon, solvent recovery application, volatile organic compound adsorption, gas purification

### **Distinguishing feature:**

1. Long service life than general grade coal based pellet activated carbon
2. More richful and reasonable pore distribution
3. Excellent adsorbility with near CTC 100% adsorption value and also excellent desorbility, With much higher solvent recovery efficiency
4. Super lower Ash content and Excellent hardness
5. More safer with higher ignition temperature

EP-WP(series) is wood based or coconut based pellet type or granular type activated carbon. Based on the special production technology, this type not only has excellent adsorbility, but also has excellent desorbility. This type carbon pore is little bigger than harmful gases molecular. So this type's carbon is more suitable in adsorption Benzene, Methanol, Ammonia gases and etc. So EP-WP(series) has much higher performance-price ratio in solvent recovery application, volatile organic compound adsorption, gas purification and etc.

### **Application:**

1. Gas phases adsorption
2. Solvent recovery
3. Removal of impurities and harmful gases
4. Volatile organic compound adsorption
5. Air purification
6. Disodor

### **Specification:**

| ITEM/TYPE               | EP-WP-S   | EP-WP-G | EP-WP-6X8/20x50 | EP-WP-6X8/20x50-G |
|-------------------------|-----------|---------|-----------------|-------------------|
| CTC Adsorption % min    | 100       | 90      | 100             | 90                |
| Butane adsorption % min | 30%       | 30%     | 35%             | 35%               |
| Benzen adsorption % min | 50        | 40      | 50              | 40                |
| Iodine Value            | 1000-1300 | 950     | 1000min         | 800               |

|                                |                     |                     |                          |                          |
|--------------------------------|---------------------|---------------------|--------------------------|--------------------------|
| mg/g                           |                     |                     |                          |                          |
| Ash Content %                  | 4-7                 | 8                   | 3-6                      | 8                        |
| Hardness %                     | 95-99               | 95                  | 50-80                    | 50-80                    |
| Moisture %<br>max(as packed)   | 5                   | 5                   | 5                        | 5                        |
| Bulk Density g/l               | 320-420             | 320-420             | 320-420                  | 320-420                  |
| Particle size<br>90%min passed | 2.0mm3.0mm<br>4.0mm | 2.0mm3.0mm<br>4.0mm | 6 x 8 mesh<br>20x50 mesh | 6 x 8 mesh<br>20x50 mesh |

Typical Properties:

| ITEM/TYPE                      | EP-WP-S   | EP-WP-G   | EP-WP-6X8 | EP-WP-6X8-G |
|--------------------------------|-----------|-----------|-----------|-------------|
| Surface area m <sup>2</sup> /g | 1200-1800 | 1200-1800 | 1200-1800 | 1200-1800   |
| Ignition temperature Degree C  | 350-450   | 350-450   | 350-450   | 350-450     |

**Packing:** 20kg bags or 500kg jumbo bags, or as per client's requirements

**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