



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, Methanal, 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-6X8/20 x50	EP-WP-6X8/20x 50-G
CTC Adsorption % min	100	90	100	90
Butane adsorption % min	30%	30%	35%	35%
Benzen adsorption % min	50	40	50	40

Iodine Value mg/g	1000-1300	950	1000min	800
Ash Content %	4-7	8	3-6	8
Hardness %	95-99	95	50-80	50-80
Moisture % max(as packed)	5	5	5	5
Bulk Density g/l	320-420	320-420	320-420	320-420
Particle size 90%min passed	2.0mm3.0mm 4.0mm	2.0mm3.0mm 4.0mm	6 x 8 mesh 20x50 mesh	6 x 8 mesh 20x50 mesh

Typical Properties:

ITEM/TYPE	EP-WP-S	EP-WP-G	EP-WP-6X8	EP-WP-6X8-G
Surface area m ² /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