



FLO KING ACTIVATED CARBON PELLETS

- FAST ADSORPTION
- USE LESS CARBON
- EASILY HANDLED
- PACKS UNIFORMLY
- HIGH PURITY
- COST EFFECTIVE

FLO KING pelletized carbon is preferred over granular and powdered carbon because it is easier to handle and its unique size and shape allow for uniform mechanical packing and little flow restriction. This results in faster, more thorough adsorption of organic impurities.



Pioneers of In-Tank Filtration ★ www.floking.com

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FLO KING ACTIVATED CARBON PELLETS

Powdered carbon and granular carbon are commonly used to remove organic impurities from electroplating and related solutions. But powdered carbon is messy and granular carbon restricts flow because of its irregular size and shape. **FLO KING** pelletized carbon is cleaner than either type, easier to use, and has a unique size and shape for uniform mechanical packing and little flow restriction. The result is much faster and more thorough adsorption of harmful organic impurities.

To appreciate the benefits of uniformity, consider this: Typical carbon granules range in size from 0.5 to 2 mm. The larger the granule, the longer it takes to adsorb organic contaminants to 100 percent potential. **FLO KING** pelletized carbon, by contrast, has a uniform pellet size of 0.8 mm diameter, allowing for faster adsorption and bath purification. This results in 100 percent use of the carbon media ... and in about half the time needed for granular carbon.

Here are some other good reasons to use **FLO KING** pelletized carbon for your purification needs:

1. Steam-activation manufacturing process guarantees a high purity level.
2. High surface area offers twice the adsorption capability of granular carbon.
3. Can be used for continuous or periodic treatment of baths to remove organic impurities.
4. Can be used in **FLO KING** bags or canisters for in-tank carbon treatment or in filter chambers for out-of-tank treatment.
5. Lowers labor and material costs because it is a clean product that is easier to handle than granular or powdered carbon.

FLO KING offers two types of activated carbon pellets—the standard **HIGH GRADE** type for non-critical applications and the acid-washed **HIGH TECH** carbon pellets for most plating applications. The **HIGH TECH** pellets are especially recommended for low-pH solutions and applications where iron and sulfur contamination is a concern.

| TYPICAL ANALYSIS | HIGH GRADE | HIGH TECH |
|---|--------------|-----------|
| Apparent density, g/mL | 0.38 | 0.41 |
| lb/cu ft | 23.7 | 25.5 |
| Moisture, as packed, % | 2.0 | 2.0 |
| Ash, % | 6.0 | 3.0 |
| Hardness (ASTM) | 92.0 | 92.0 |
| Molasses decol. no. | 320.0 | 320.0 |
| Iodine, adsorption, mg/g | 1050.0 | 1050.0 |
| Methylene blue adsorption, g/100 g | 21.0 | 21.0 |
| Total surface area (N ₂ -BET), m ² /g | 1000.0 | 1000.0 |
| Total pore volume, ml/g | 1.10 | 1.10 |
| pH of water extract | Alkaline | 5.7 |
| Pellet diameter, mm | 0.8 | 0.8 |
| Iron (Fe), % by wt | Not measured | 0.02 |
| Calcium (Ca), % by wt | Not measured | 0.02 |
| Sulfide, max, % by wt | Not measured | 0 |

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