

1184

0.5% Silver Impregnated Activated Carbon

Description

Type 1184 is a silver-impregnated coconut shell activated carbon specifically designed for bacteriostatic properties and trace removal. It is manufactured from coconut shells by high-temperature steam activation under rigidly controlled conditions. The silver impregnation of type 1184 carbon imparts bacteriostatic properties that inhibit bacterial growth on the carbon filter media. Silver exhibits a self-sterilizing property called the oligodynamic effect that, although not fully understood, is recognized as an effective method for controlling microbial growth. The coconut base carbon substrate is specifically designed to be effective for adsorbing trace organic compounds such as trihalomethanes (THMs) and pesticides, as well as disinfection by-products and taste and odor compounds. The product is registered by the US EPA (# 58295-3).

Applications

Type 1184 can be used in a variety of applications and is recommended when microorganism growth presents a problem. Used commonly in point-of-entry (POE) and point-of-use (POU) applications, the antimicrobial properties of silver impregnated on the carbon make type 1184 especially valuable in most water purification applications where bacterial growth on filter media can become an issue.

Some typical applications for type 1184 silverized carbon include:

- Pitcher and dispenser home water filters (POU).
- Whole-home water filtration (POE).
- Pharmaceutical stream purification.

Features / Benefits

- Provides bacteriostatic properties to stop the reproduction of bacteria on filter media.
- Improves taste and odor of water.
- High quality substrate for the removal of trace organic compounds such as THMs and pesticides, as well as disinfection by-products.
- Registered with the US EPA (# 58295-3).

Typical Properties

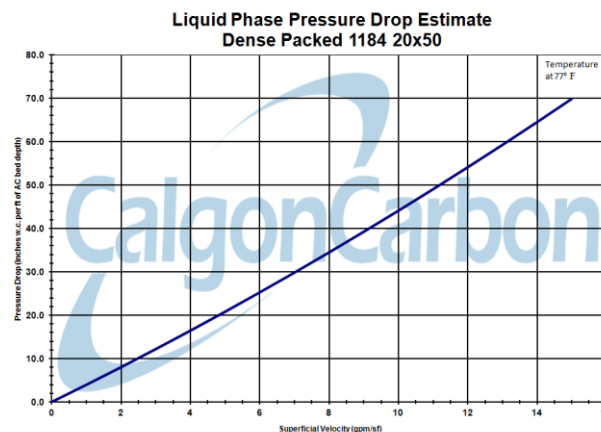
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Ball Pan Hardness [ASTM D-3802]	98
Ash Content [ASTM D-2866]	4% w/w
Bulk Density [ASTM D-2854]	0.48g/cc
Moisture Content [ASTM D-2867]	< 5% w/w
US Mesh Size [ASZM D-2862]	20x50*

*20x50 is a standard mesh size. Please inquire about alternative particle sizes available.

Typical Pressure Drop

Based on Backwashed and Segregated Bed



Packing

- 50 lb. poly bag
- 200 lb. fiber drum
- 1,000 lb. (454 kg) super sack
- Bulk truck

Safety Message

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed, including all applicable federal and state requirements. Please refer to the MSDS for all up to date product safety information.

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