Data Sheet

# POET 12X40

Granular Activated Carbon

## Applications

Drinking Water (Potable)

Point of Use/ Point of Entry

POET 12X40 activated carbon is designed specifically for point-of-entry treatment systems. Its primary function is the removal of tastes and odors associated with chlorine present in drinking water. POET 12X40 is derived from products we have successfully used for over 40 years in applications such as the purification of drinking water, food, and pharmaceuticals. POET 12x40 is designed as an alternative to coconut-based carbons and offers the advantages of bituminous coal- based carbons while being an economical solution for point-of-entry treatment systems.

## Description

This activated carbon is made from select grades of bituminous coal through a process known as reagglomeration to produce a high activity, durable, granular product capable of withstanding the abrasion associated with normal residential backwashing. The raw coal is mined and subsequently manufactured into GAC in the United States to ensure the highest quality and consistency in the finished product. Activation is carefully controlled to produce a significant volume of both low and high energy pores for effective adsorption of a broad range of high and low molecular weight organic contaminants.

POET 12X40 is formulated to comply with all the applicable provisions of the AWWA Standard for Granular Activated Carbon (B604) and Food Chemicals Codex. This product is certified to meet the requirements of NSF/ANSI 61. Only products bearing the NSF Mark are certified to the NSF/ANSI 61 - Drinking Water System Components - Health Effects standard. Certified Products will bear the NSF Mark on packaging or documentation shipped with the product.

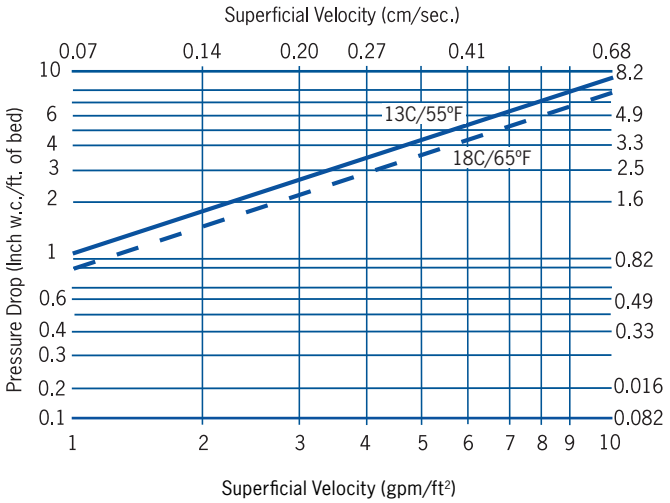
## Features / Benefits

- Produced in the United States from a pulverized blend of high quality, domestically mined bituminous coals resulting in a consistent, high quality product.
- Carbon granules are uniformly activated through the whole granule, not just the outside, resulting in excellent adsorption properties and constant adsorption kinetics.
- The reagglomerated structure ensures proper wetting while also eliminating floating material.
- High mechanical strength relative to other raw materials, thereby reducing the generation of fines.
- High density carbon resulting in a greater adsorption capacity per unit volume.

| Specifications | POET 12X40 |
|---|---|
| Iodine Number, mg/g | 850 (min) |
| Moisture by Weight | 3% (max) |
| Screen Size by Weight, US Sieve Series | |
| On 12 Mesh | 5% (max) |
| Through 40 Mesh | 4% (max) |

## Typical Pressure Drop

Based on a backwashed and segregated bed




Standard packaging is 1 cubic foot bag (min order quantity one pallet or 70 cubic feet)



**Safety Message**

Wet activated carbon can deplete oxygen from air in enclosed spaces. If use in an enclosed space is required, procedures for work in an oxygen deficient environment should be followed.

1.800.4CARBON calgoncarbon.com



DS-POET12x4020-EIN-E1