GRANULAR ACTIVATED CARBON

# NORIT® GAC 820

8x20 Mesh

## BENEFITS

**Domestic Manufacturing:** Produced in Oklahoma from high-quality U.S. mined bituminous coal, ensuring consistent quality and reliable supply

**Cost-Effective for Broad Applications:** Lower capital cost than Ion Exchange and membranes.

**Long Term Service Life through reactivation:** One granule can be reactivated 5-6 times.

**Reliable and Proven Technology**: Backed by decades of usage history across industries and geographies.

**High Mechanical Strength:** Reduces fines generation during backwashing and hydraulic transport, improving operational longevity**.**

**Effective for Contaminant Removal:** High performance adsorption of PFAS, VOCs, TOC, THMs, pesticides, and taste/odor compounds in water.

## FEATURES

**Uniform Activation:** Granules are fully activated throughout, not just at the surface, resulting in excellent adsorption properties and consistent kinetic performance.

**Reagglomerated Structure:** Promotes thorough wetting and reduces floating particles, enhancing initial system performance.

**Abrasion Resistance:** Designed for durability through high abrasion resistance, enabling effective thermal reactivation.

**Bed Integrity Retention:** Maintains carbon bed stratification after repeated backwashing, preserving adsorption profiles and maximizing service life.

## SPECIFICATIONS

| | |
|---|---|
| Iodine Number | > 920 mg/g |
| Abrasion Number (AWWA) | > 75 |
| Moisture, as Packed | 2% Maximum |
| Effective Size | 1.2 - 1.5 mm |
| Uniformity Coefficient | 1.5 Maximum |

### GENERAL CHARACTERISTICS

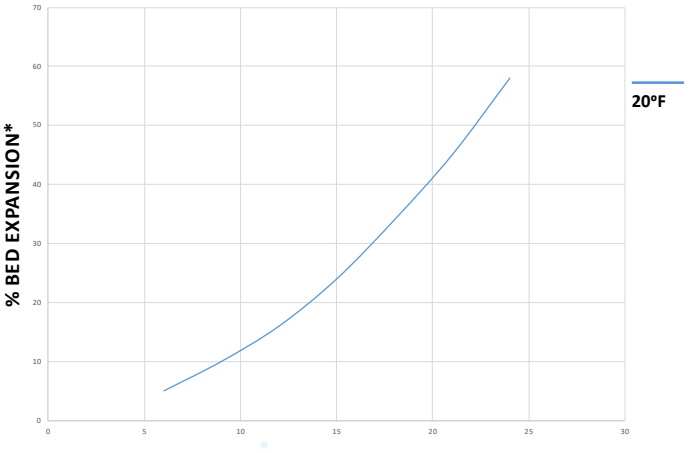
| | |
|---|---|
| Density, Backwashed, and Drained | 28 lb/ft$^3$ |
| Apparent Density, Vibrating Feed | 32.5 lb/ft$^3$ |

## APPROVALS AND CERTIFICATIONS

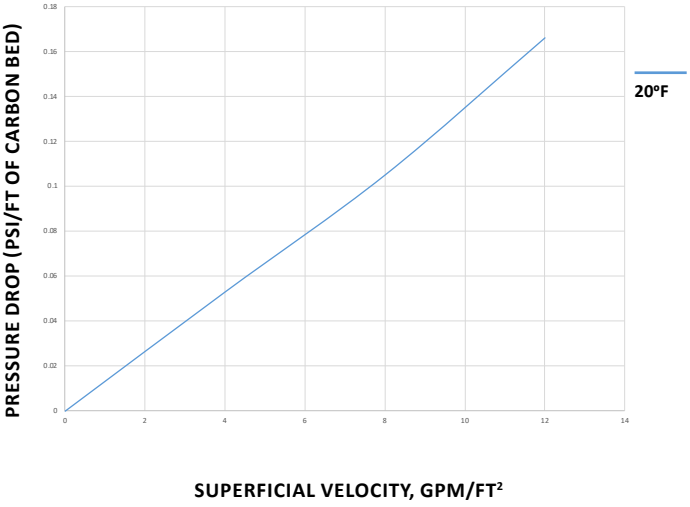
- BABA Compliant
- NSF/ANSI Standard 61
- AWWA B604 Standards
- Kosher Certified/Compliant
- Halal Certified
- US Food Chemicals Codex

## ENGINEERING DATA

### BED EXPANSION CURVE




### PRESSURE DROP CURVE




## NEW CARBON BED CONDITIONING

- Fill the carbon vessel with water and allow the carbon to soak for 8 hours or longer.
- After soaking, begin the initial backwash using product water.
- Bed conditioning removes any fines and stratifies the carbon bed.
- Adjust the backwash flow rate until at least 30% bed expansion is reached.
- Backwash for a minimum of 20 minutes (to allow bed stratification) until the exit water runs clear (no fines).
- Normal bed conditioning takes between 30 and 60 minutes.

## ABOUT NORIT

Building on our greater than 100-year history of innovation in manufacturing and product development, NORIT Activated Carbon is the world's most experienced and one of the largest producers of activated carbon.

Our products are used to remove pollutants, contaminants, and/or other impurities from water, air, food and beverages, pharmaceutical products, and other liquids and gases in an efficient and cost-effective manner.


## CONNECT WITH US:

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