

## DATASHEET

No. 2214  
Sep 2007

### NORIT® GAC 830 PLUS GRANULAR ACTIVATED CARBON

**NORIT GAC 830 PLUS** is an acid washed granular activated carbon of high purity produced by steam activation of select grades of coal. As a result of a unique patented activation process and stringent quality control, **NORIT GAC 830 PLUS** offers superior adsorption properties for the removal of impurities from chemical, food, pharmaceutical and water applications. **NORIT GAC 830 PLUS** is Kosher certified and meets ANSI/NSF Standard 61. It also meets all AWWA B604 standards for potable water use.

#### Product Specifications

Iodine number, mg/g	900 min.
Molasses number	210 min.
Abrasion number (AWWA)	80 min.
Iron, acid soluble, % as Fe	0.01 max.
Acid soluble ash, %	0.5 max.
Moisture, % as packed	3 max.
pH, water extract	5.0 to 8.0
Mesh size (U.S. Sieve series)	
Greater than 8 mesh (2.36 mm), %	15 max.
Less than 40 mesh (0.42 mm), %	0.5 max.

#### Typical Properties\*

Apparent density, vibrating feed, g/mL	0.51
	lb/ft <sup>3</sup>
Food Chemical Codex	Passes

\*For general information only, not to be used as purchase specifications.

#### Packaging/Transportation

Standard package is woven polypropylene bulk bags, 1,000 lb net.  
Activated carbon (NOT REGULATED)  
Exempt from DOT, IATA, and IMDG regulations  
Import/Export classification: 3802.10.0000 (HS Tariff Classification)  
Domestic Freight Classification: NMFC 040560  
CAS # 7440-44-0

#### Material Handling

Wet activated carbon depletes oxygen from air and, therefore, dangerously low levels of oxygen may be 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. Please see the product Material Safety Data Sheet for details. 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 (see Code of Federal Regulations - Title 29, Subpart Z, par. 1910.1000, Table Z-3).

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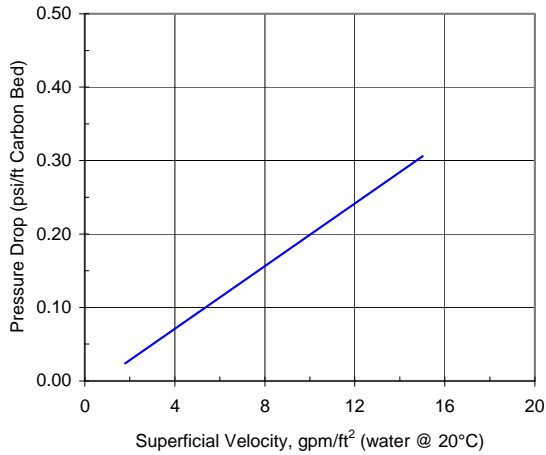
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## NORIT<sup>®</sup> GAC 830 PLUS

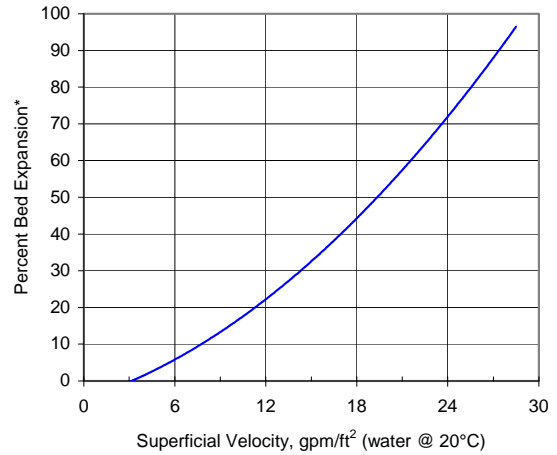
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### Engineering Data

**Pressure Drop Curve  
for NORIT GAC 830 PLUS**



**Bed Expansion Curve  
for NORIT GAC 830 PLUS**



**\*Expansion is expressed as percent of  
the backwashed and settled bed depth.**

Note: Any specification given was valid at time of issuance of the publication. However, we maintain a policy of continuous development and reserve the right to amend any specification without notice.