

**DATASHEET**No. 2213  
Sep 2007**NORIT® GAC 830**

GRANULAR ACTIVATED CARBON

**NORIT GAC 830** is a granular activated carbon 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** offers excellent adsorption properties and is recommended for removal of impurities from water and industrial process applications. **NORIT GAC 830** will meet all AWWA B100 and B604 standards for potable water use. **NORIT GAC 830** is Kosher certified and meets ANSI/NSF Standard 61.

**Product Specifications**

Iodine number, mg/g	920 min.
Molasses number	210 min.
Abrasion number (AWWA)	75 min.
Moisture, % as packed	2 max.
Mesh size (U.S. Sieve Series)	
Greater than 8 mesh (2.36 mm), %	8 max.
Less than 30 mesh (0.60 mm), %	4 max.

**Typical Properties\***

Apparent density, vibrating feed, g/mL	0.50
lb/ft <sup>3</sup>	31
Bed density, backwashed and drained, lb/ft <sup>3</sup>	27
Effective size, mm	1.0
Uniformity coefficient	1.7
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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# DATASHEET

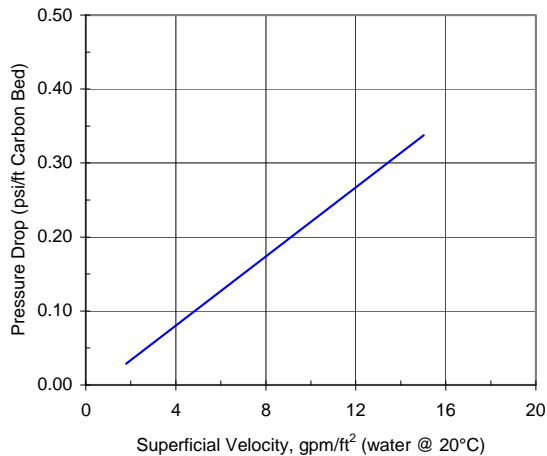
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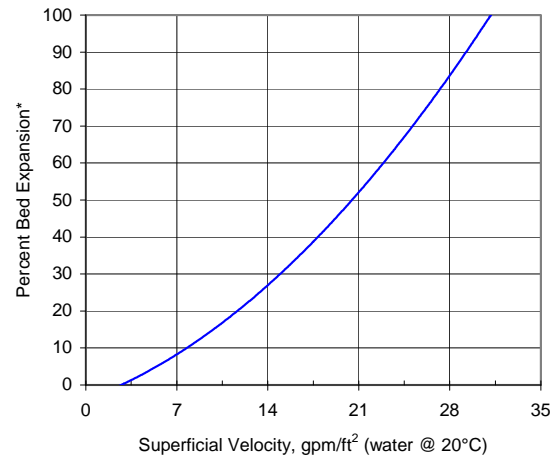
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### Engineering Data

**Pressure Drop Curve  
for NORIT GAC 830**



**Bed Expansion Curve  
for NORIT GAC 830**



**\*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.