

DATASHEETNo. 2273
Sep 2007**NORIT® GAC 840R**

GRANULAR ACTIVATED CARBON

NORIT GAC 840R is a reactivated granular carbon produced under closely controlled operating conditions in our state-of-the-art facility. Quality and screen size are designed to provide high performance levels in the treatment of industrial and municipal wastewaters. **NORIT GAC 840R** is particularly suited for removal of color bodies, dissolved organics, and toxic compounds. This product is a recycled activated carbon and not for food grade or potable water applications.

Product Specifications

Iodine number, mg/g	750 min.
Abrasion number (AWWA)	70 min.
Moisture, % as packed	2 max.
Ash, %	11.0 max.
Mesh size (U.S. Sieve Series)	
Greater than 8 mesh (2.36 mm), %	15 max.
Less than 40 mesh (0.42 mm), %	4 max.

Typical Properties*

Molasses number	200
Apparent density, vibrating feed, g/mL	0.55
lb/ft ³	34
Bed density, backwashed and drained, lb/ft ³	30

*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).

(continued on reverse side)

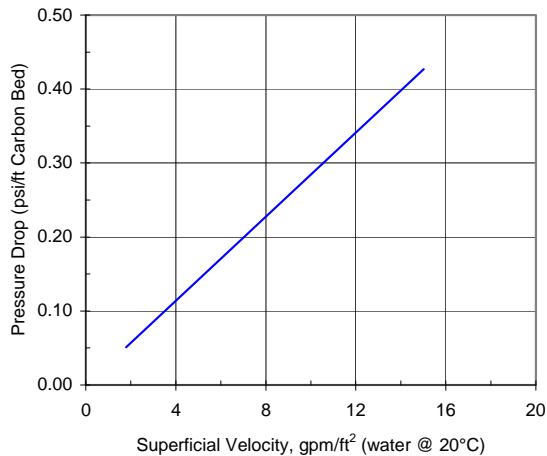
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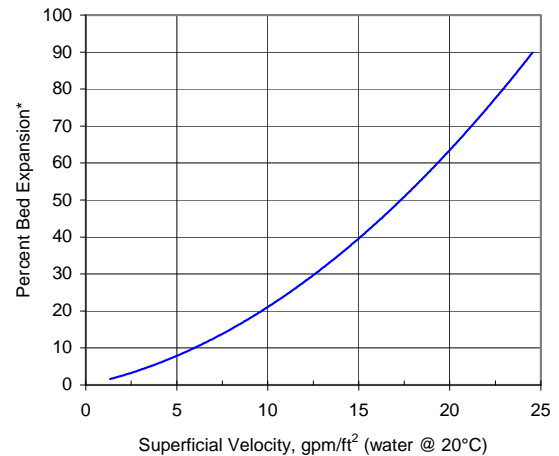
NORIT® GAC 840R (continued)

Engineering Data

**Pressure Drop Curve
for NORIT GAC 840R**



**Bed Expansion Curve
for NORIT GAC 840R**



***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.