

DATASHEET

No. 2231
Sep 2007

NORIT® MAG 30I GRANULAR ACTIVATED CARBON

NORIT MAG 30I is a granular activated carbon produced from select grades of coal. It is a premium grade that has magnesite incorporated in the carbon matrix to enhance its buffering capacity. **NORIT MAG 30I** offers superior adsorption properties and is recommended for the purification of cane sugar syrups. **NORIT MAG 30I** is Kosher certified.

Product Specifications

Iodine number, mg/g	1020 min.
Molasses number	230 min.
Abrasion number (AWWA)	70 min.
Moisture, % as packed	2 max.
Mesh size (U.S. Sieve Series)	
Greater than 10 mesh (2.00 mm), %	5 max.
Less than 30 mesh (0.60 mm), %	4 max.

Typical Properties*

pH, water extract	10.0
Apparent density, vibrating feed, g/mL	0.46
lb/ft ³	28.5
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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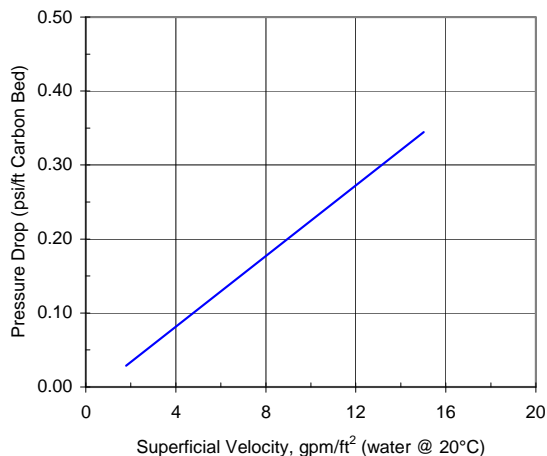
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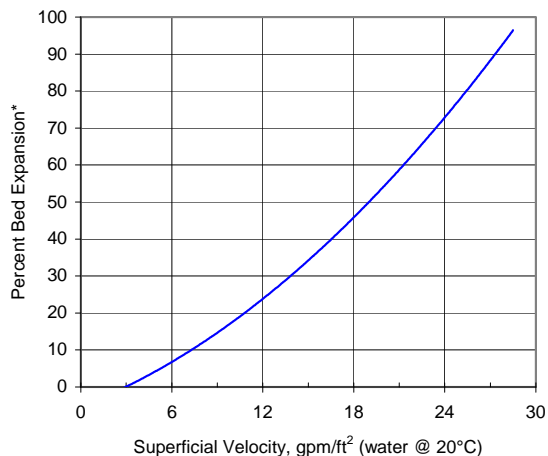
NORIT[®] MAG 30I (continued)

Engineering Data

**Pressure Drop Curve
for NORIT GAC MAG 30I**



**Bed Expansion Curve
for NORIT GAC MAG 30I**



*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.