

DATASHEETNo. 3203
Apr 2009**NORIT® PK 1-3**

GRANULAR ACTIVATED CARBON

NORIT PK 1-3 is a granular activated carbon suitable for the purification of potable alcohol and vodka.
NORIT PK 1-3 is produced by steam activation.

Product Specifications

Iodine number	700 min.
Particle size	
> 3.15 mm, mass-%	10 max.
< 0.71 mm, mass-%	5 max.

Typical Properties

Methylene blue adsorption, g/100 g	11
Surface area (BET), m ² /g	875
Apparent density, vibrating feed, g/mL	0.29
lb/ft ³	18
Density, backwashed and drained, lb/ft ³	16
Effective size, mm	1.2
Uniformity coefficient	1.8
Ash, mass-%	8
pH	Alkaline
Moisture (as packed), mass-%	2
Food Chemicals Codex	Passes

NOTES

- 1) All analyses based on NORIT Standard Test Methods (NSTM).
- 2) Typical properties for general information only, not to be used as purchase specifications.

Packaging/Transportation

Standard package is 12.5 kg bags, 40 bags per pallet for a net pallet weight of 500 kg. Alternate packages include 225 kg or 450 kg bulk bags on a pallet.

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. This product may contain silica. 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).

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.