



DATASHEET

NORIT[®] PK 0.25-1

GRANULAR ACTIVATED CARBON

NORIT PK 0.25-1 is a granular activated carbon, which can be used in a large range of liquid purification applications. NORIT PK 0.25-1 is produced by steam activation.

Product Specifications

Iodine number	600 min.
Particle size	
> 1.00 mm, mass-%	10 max.
< 0.25 mm, mass-%	5 max.

Typical Properties

Methylene blue adsorption, g/100 g	11
Surface area (BET), m ² /g	775
Apparent density, kg/m ³	325
Density, backwashed and drained, kg/m ³	290
Effective size, mm	0.3
Uniformity coefficient	1.9
Ash, mass-%	15
pH	Alkaline
Moisture (as packed), mass-%	2
Dechlorination halving value, cm	1.5
Food Chemicals Codex (4 th edition, 1996)	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 and bulk tank cars.

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

(continued on reverse side)



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(continued)

Safety

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. However, the product may contain up to 2% silica (quartz). 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.

