

DATASHEETNo. 3342
Apr 2009**NORIT® ROX 0.8**

EXTRUDED ACTIVATED CARBON

NORIT ROX 0.8 is an acid washed extruded carbon, which offers both superior adsorption properties and an ultra high purity level. **NORIT ROX 0.8** is used for the purification of ultra-pure water, and in the purification of condensate water, organic and inorganic fine chemicals and pharmaceutical intermediates. **NORIT ROX 0.8** has an extremely low mineral content and is used to purify demineralised starch based sweeteners. **NORIT ROX 0.8** is a steam activated carbon that can be thermally reactivated.

Product Specifications

Iodine number	1000 min.
Ball-pan hardness	97 min.
Particle size	
< 0.6 mm, mass-%	0.5 max.
Iron (acid extr.), mass-%	0.02 max.
Moisture (as packed), mass %	5 max.

Typical Properties

Methylene blue adsorption, g/100 g	24
Surface area (BET), m ² /g	1225
Apparent density, vibrating feed, g/mL	0.40
lb/ft ³	25
Density, backwashed and drained, lb/ft ³	22
Ash, mass %	3
Calcium (acid extr.), mass-%	0.01
Chloride (acid extr.), mass-%	0.1
pH	Neutral
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 20 kg bags, 40 bags per pallet for a net pallet weight of 800 kg. Alternate packages include 400 kg bulk bags.

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

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(continued)

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.