

NORIT® ROX 0.8

Extruded Activated Carbon

WHY CABOT

Cabot Norit Activated Carbon is a premier activated carbon manufacturer respected for experienced people, diverse products and strong customer relationships. Cabot's history of innovation, product performance, technical expertise and customer focus ensure that you receive the right products and solutions for your specific purification needs.



NORIT ROX 0.8 extruded activated carbon: designed for purification of demineralized process liquids and purification processes including in situ reactive regeneration

This high activity product is especially suitable where:

- Demineralized starch sweetener syrups and other process liquids require adsorbents with lowest leachable metal contents
- Excellent hydrodynamic properties and excellent hardness are required
- Slight discolorations and organic matter such as HMF, riboflavin, and taste/odor compounds need to be removed
- An excellent thermal regenerability is required
- An excellent in situ reactive regenerability is required

NORIT ROX 0.8 extruded activated carbon is produced by steam activation of wood charcoal, followed by a multi-step washing process for high purity. The renewable feedstock and manufacturing conditions have been optimized to yield a product that has well-developed micro-porosity and meso-porosity. Its superior hardness and porous structure make this extruded carbon particularly suited for in situ reactive regeneration and thermal reactivation.

We operate our production plant for NORIT ROX 0.8 extruded activated carbon consistent with the following certifications:

- HACCP Food Hygiene System
- ISO 9001 Quality Management System,

Halal and kosher certificates are available upon request.

This product meets the requirements of the US Food Chemicals.

SPECIFICATIONS

Iodine number	min. 1000	-
Ball-pan hardness	min. 97	-
Particle size (0.60 mm)	max. 0.5	mass-%
Iron (acid extr.)	max. 0.02	mass-%
Moisture (as packed)	max. 5	mass-%

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GENERAL CHARACTERISTICS

Methylene blue adsorption	24	g/100 g
Total surface area (B.E.T.)	1300	m ² /g
Apparent density	400	kg/m ³
Density, backwashed and drained	360	kg/m ³
Ash content	1	mass-%
Calcium (acid extr.)	0.02	mass-%
Chloride (acid extr.)	0.04	mass-%
Copper (acid extr.)	0.001	mass-%
Magnesium (acid extr.)	0.005	mass-%
Zinc (acid extr.)	1	mg/g
pH	neutral	-

NOTES

1. For important product safety, health, environmental and regulatory information, please refer to the Safety Data Sheet (SDS) which is available upon request.
2. General characteristics reflect representative values of product parameters and are not to be used as purchase specifications.
3. All analyses based on standard test methods and specifications are guaranteed values based on lot-to-lot quality control, as covered by Cabot Norit Activated Carbon's ISO 9001 certification.

PACKAGING

This product is available in:

- Polyethylene bags of 17,5 kg, 40 bags per pallet, stretch wrapped on 115 x115 cm pallets (700 kg net weight per pallet)
- Bulk bags of 2 x 400 kg net weight on a pallet, shrink wrapped
- Bulk tank cars

Product availabilities depend on the type of packaging.



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