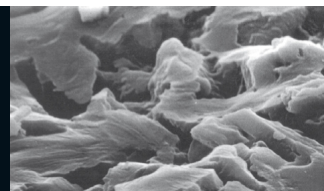


## Norit Electronic Version

## Datasheet



## Norit PK 1-3

Norit PK 1-3 is a granular activated carbon, which can be used in a large range of water applications including potable water and process water treatment. Norit PK 1-3 is produced by steam activation.

Norit PK 1-3 meets the requirements of the U.S. Food Chemicals Codex (6th edition, 2008) and the Drinking Water Standard EN 12915 (European Normalisation, 2003). It is produced under the scope of a Quality Management System which complies with the requirements of CDX HACCP. The corresponding Certificate of Registration is available upon request.

## SPECIFICATIONS

|                                   |                 |               |
|-----------------------------------|-----------------|---------------|
| <b>Iodine number</b>              | <b>min. 700</b> | -             |
| <b>Particle size &gt; 3.15 mm</b> | <b>max. 10</b>  | <b>mass-%</b> |
| <b>Particle size &lt; 0.71 mm</b> | <b>max. 5</b>   | <b>mass-%</b> |

## GENERAL CHARACTERISTICS

|                                |          |                   |
|--------------------------------|----------|-------------------|
| Iodine number                  | 800      | -                 |
| Methylene blue adsorption      | 11       | g/100 g           |
| Total surface area (B.E.T.)    | 875      | m <sup>2</sup> /g |
| Apparent density               | 290      | kg/m <sup>3</sup> |
| Density backwashed and drained | 255      | kg/m <sup>3</sup> |
| Effective Size D <sub>10</sub> | 1.2      | mm                |
| Uniformity coefficient         | 1.8      | -                 |
| Ash content                    | 8        | mass-%            |
| pH                             | alkaline | -                 |
| Moisture (as packed)           | 2        | mass-%            |
| Dechlorination halving value   | 5        | cm                |

Water

Document No.

PK13

Product / Application

Granular activated carbon

Version

6 July 2009

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FM 26618

Norit

leading in purification

Activated Carbon

## NOTES

- 1 All analyses based on Norit Standard Test Methods (NSTM)
- 2 Specifications are guaranteed values based on lot to lot quality control, as covered by Norit's ISO 9001 certification.
- 3 General characteristics reflect average values of product quality.
- 4 Detailed information on the **hydrodynamic properties** can be found in Technical Bulletin 79 - Hydrodynamic Properties of Norit Granular Activated Carbon grades.

## PACKAGING

Norit PK 1-3 is available in:

- Multiply paper bags of 12,5 kg, 40 bags per pallet, shrink wrapped (500 kg net weight per pallet)
- Bulk bags of 225 kg net weight on a pallet, shrink wrapped
- Bulk bags of 450 kg net weight on a pallet, shrink wrapped
- Bulk tank cars

Product availabilities depend on the type of packaging.

Caution: For health and safety related aspects please refer to the Material Safety Datasheet (MSDS), which is available on request.

Notes: Any product quality information including specifications given was valid at the time of issuance of the publication. However, we maintain a policy of continuous development and reserve the right to amend any product quality aspects without notice. All data and suggestions regarding the use of our products are believed to be reliable and given in good faith. However, they are given without guarantee, as the use of our products is beyond our control, and are not to be construed as recommendation or instigation to violate any existing patent.

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**This datasheet (Issue 6 July 2009) replaces previous issues.**