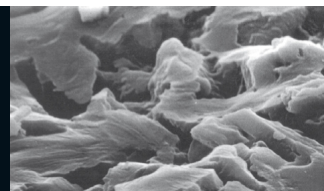


Norit Electronic Version

Datasheet



Norit GAC 830 W

Norit GAC 830 W is a granular activated carbon, which is suitable in a wide range of applications such as purification of (potable) water and industrial process liquids. Norit GAC 830 W is very suitable for removal of f.i. natural organics, pesticides, detergents, chlorinated solvents and compounds causing taste and odour problems. Norit GAC 830 W is produced by steam activation of coal; its superior hardness makes it particularly suited for thermal reactivation.

Norit GAC 830 W meets the requirements of the US Food Chemicals Codex (6th edition, 2008) and the Drinking Water Standard EN 12915 (European Normalisation, 2003).

SPECIFICATIONS

Iodine number	min. 950	-
Particle size > 8 mesh (2.36 mm)	max. 15	mass-%
Particle size < 30 mesh (0.60 mm)	max. 5	mass-%
Moisture (as packed)	max. 5	mass-%

GENERAL CHARACTERISTICS

Iodine number	975	-
Methylene blue adsorption	20	g/100 g
Total surface area (B.E.T.)	1100	m ² /g
Apparent density	470	kg/m ³
Density backwashed and drained	420	kg/m ³
Ball-pan hardness	97	-
Effective Size D ₁₀	0.9	mm
Uniformity coefficient	1.7	-
Ash content	12	mass-%
Water soluble Ash	0.1	mass-%
pH	alkaline	-
Dechlorination halving value	5	cm

Water

Document No.

830WD

Product / Application

Granular activated carbon

Version

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FM 26618

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.
- 5 The superior hardness makes this product very suitable for **thermal reactivation**. Reactivation of exhausted carbon can be carried out in kilns on site or at one of Norit's facilities. The best option depends on the distance between client and nearest Norit facilities and on the amount of carbon to be reactivated per annum.
- 6 The level of floaters measured according to EN 12915 amounts to <1 mass-%. Under practical conditions a fraction of the carbon may wet slowly. Please refer to Norit Technical Bulletin 41B.

PACKAGING

Norit GAC 830 W is available in:

- Multiply paper bags of 25 kg, 2 x 20 bags per pallet, shrink wrapped (1000 kg net weight per pallet)
- Bulk bags of 2 x 500 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 9 June 2009) replaces previous issues.