

NORIT Datasheet

Electronic Version

NORIT GAC 830 W

NORIT GAC 830W 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 830W is very suitable for removal of f.i. natural organics, colour bodies, pesticides, detergents, chlorinated solvents and compounds causing taste and odour problems. NORIT GAC 830W is produced by steam activation of coal; its superior hardness makes it particularly suited for thermal reactivation.

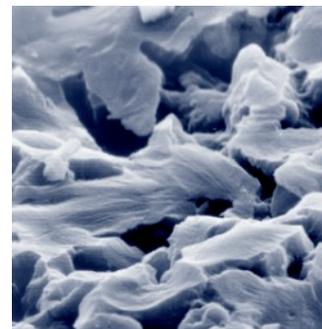
NORIT GAC 830W meets the requirements of the US Food Chemicals Codex (5th edition, 2004).

SPECIFICATIONS

Iodine number	min. 1000	-
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

Total surface area (B.E.T.)	1150	m ² /g
Apparent density	485	kg/m ³
Density backwashed and drained	425	kg/m ³
Ball-pan hardness	95	-
Effective Size D ₁₀	0.9	mm
Uniformity coefficient	1.7	-
Ash content	8	mass-%
pH	alkaline	-



Datasheet
Chemicals

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The Purification Company



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 9001:2000 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.

PACKAGING

NORIT GAC 830 W is available in:

- 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 3 May 2005) replaces previous issues.