

## NORIT® GAC 1240

Granular 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 GAC 1240 granular activated carbon is a granular activated carbon, which has been developed especially for the purification of (potable) water. NORIT GAC 1240 granular activated carbon offers superior adsorption properties for e.g. natural organics, colour bodies, pesticides, detergents, chlorinated solvents and compounds causing taste and odour problems. NORIT GAC 1240 granular activated carbon is produced by steam activation of select grades of coal; its superior hardness makes it particularly suited for thermal reactivation.

NORIT GAC 1240 granular activated carbon meets the requirements of the latest version of the U.S. Food Chemicals Codex and the Drinking Water Standard EN 12915 (European Normalisation, 2003).

### SPECIFICATIONS

Iodine number	min. 1000	-
Molasses number (USA)	min. 230	-
Abrasion number (AWWA)	min. 75	-
Particle size > 12 mesh (1.70 mm)	max. 5	%
Particle size < 40 mesh (0.425 mm)	max. 4	%
Moisture (as packed)	max. 2	%

### GENERAL CHARACTERISTICS

Iodine number	1075	-
Methylene blue adsorption	22	g/100 g
Micropollutant loading:		
* atrazine at 1 µg/l	40	mg/g
* DBS at 1 mg/l	115	mg/g
* phenol at 1 mg/l	45	mg/g
Total surface area (B.E.T.)	1175	m <sup>2</sup> /g
Apparent density	490	kg/m <sup>3</sup>
Density, backwashed and drained	430	kg/m <sup>3</sup>
Ball-pan hardness	97	-
Effective Size D <sub>10</sub>	0.65	mm
Uniformity coefficient	1.6	-
Ash content	7	mass-%
Water soluble ash	0.1	mass-%
pH	alkaline	-
Dechlorination halving value	2.5	cm

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## 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.
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 Cabot facilities and on the amount of carbon to be reactivated per annum.

## PACKAGING

### This product is available in:

- 55 lb bag, 45 bags per pallet for a net pallet weight of 2475 lb
- Bulk bags of 453.6 kg net weight on a pallet, shrink wrapped
- Bulk tank cars

Product availabilities depend on the type of packaging.



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