



TECHNICAL DATASHEET

GN61

Phosphoric acid (H_3PO_4) Impregnated Activated Carbon for Ammonia (NH_3) and Amines Removal

GN61 is our specialized impregnated activated carbon which effectively neutralizes and removes ammonia (NH_3) and amines from gaseous streams.

The removal takes place through acid-base reactions, trapping the resulting salts within its pore structure.

Unlike standard activated carbons, this advanced solution addresses the high kinetic energy of ammonia, ensuring optimal adsorption and retention.

The product, chemically treated for superior efficiency and capacity, is ideal for controlling ammonia, amines, and basic vapors in critical applications.

Manufactured under strict quality standards, it guarantees consistent performance and reliability, making it suitable for industrial environments and equipment protection.

SPECIFICATION AND TYPICAL PROPERTIES*

Base material	Coal
CTC % before impregnation Min	60%
Bulk density kg/m ³ (after Impregnation)	580-600kg/m ³
Hardness % Min	97%
Ash Content % Max (before Impregnation)	15-17%
Phosphoric Acid Impregnation wt%	10%
Diameter (available in different diameters)	4 mm
Iodine value Min (before impregnation)	1000 mg/g

*Specifications and typical properties are listed for informational purposes only and not to be used as purchase specifications.

Typical Applications

- Treatment of ammonia tanks and vents
- Removal of ammonia and amines from municipal and chemical waste treatment facilities
- Removal of ammonia and amines from WWTPs
- Treatment of basic fumes in chemical and laboratory hoods
- Other industrial applications

Features and Benefits

- High adsorption ability and loading rate for NH_3 and amines
- High percentage of H_3PO_4 impregnation – 10%
- Exceptionally high hardness and crush strength
- Minimal pressure drop

Standard Packaging

- 25kg bag
- 500kg bulk bag
- 550kg bulk bag
- Other packing considered on request

Disposal

At the end of its useful life, all carbon media should be disposed of in a responsible manner and in accordance with all sites, local and statutory regulations relevant to the point of use.

