



# TECHNICAL DATASHEET

WWW.JACOBI.NET



**JACOBI**  
THE CARBON COMPANY

## AddSorb® VA12 impregnated coal based activated carbon

### Features and Benefits

- Chemically impregnated
- Consistent quality
- Exceptional hardness and strength
- Rigorously dedusted
- Maximum mercury loading capacity
- Minimal product degradation giving low pressure drop
- Clean handling at adsorber loading and commissioning
- Proven adsorbent - total reliability

### Typical Applications

- Liquid natural gas condensate
- Ethylene production streams

### Available Pellet Diameters

- 1.5 mm diameter
- 2.0 mm diameter
- 3.0 mm diameter
- 4.0 mm diameter
- 5.0 mm diameter

### Standard Packaging

- 25 kg bag (55 lb)
- 500 kg bulk bag (1100 lb)



The polyethylene valve bag from Jacobi sets the standard in the industry for clean, durable and safe handling.

AddSorb® VA12 is a high activity extruded activated carbon manufactured by steam activation from select grades of anthracite coal. AddSorb® VA12 is chemically impregnated specifically for use in the control of mercury in dry liquid hydrocarbon streams. The carefully controlled addition of potassium iodide to the matrix of the activated carbon is specifically designed to ensure maximum mercury loading capacity, while operating to the strictest removal efficiencies demanded by industry. The activated carbon is exceptionally hard and resistant to mechanical breakdown resulting from a unique binding and extrusion process used during its manufacture.



Refineries rely upon AddSorb® VA12 activated carbon for the efficient and economical removal of mercury from liquid hydrocarbon streams.

### Specification

CTC activity (base carbon)	min. 60%
Moisture content	max. 15%
Total ash content (base carbon)	max. 12%
Ball-pan hardness	min. 95%
Potassium Iodide content	min. 2.5%

### Typical Properties

CTC activity (base carbon)	63%
Apparent density	519 kg/m <sup>3</sup>
Pellet diameter	± 10% diameter

Jacobi Carbons reserves the right to modify specifications without prior notice. To obtain a full sales specification with test methods, please contact your nearest Jacobi Carbons office.

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Polyethylene valve bags of  
25 kg (55 lb) net weight on  
500 kg (1100 lb) pallets



Polypropylene liner-free  
FIBCs (super sacks) of  
500 kg (1100 lb) net weight

**CAUTION** Activated carbon is a strong oxidizing agent and can remove oxygen from air under wet or humid conditions. Care should be taken when entering confined spaces where wet activated carbon is present. Ensure the use of correct breathing apparatus. Material Safety Data Sheets should be consulted for further details on procedures in the event of contact with activated carbon.

**NOTICE** Due to the progressive nature of Jacobi Carbons Group and the continually improving design and performance of our products, we reserve the right to change product specifications without prior notification. The information contained in this datasheet is intended to assist a customer in the evaluation and selection of products supplied by Jacobi Carbons. The customer is responsible for determining whether products and the information contained in this document are appropriate for customer's use. Jacobi Carbons assumes no obligation or liability for the usage of the information in this datasheet, no guarantees or warranties, expressed or implied, are provided. Jacobi Carbons disclaims responsibility and the user must accept full responsibility for performance of systems based on this data.

ISO 9001

BUREAU VERITAS  
Certification

