

EcoSorb® HXA

acid washed extruded coal based activated carbon

Features and Benefits

- Acid washed product
- Extensive pore structure
- Exceptional hardness and strength
- Rigorously dedusted
- Reduced risk of solvent oxidation / polymerization
- High adsorption capacity, longer life
- Minimal product degradation giving low pressure drop
- Clean handling at adsorber loading and commissioning

Typical Applications

- Pharmaceuticals (ketones)
- Cellulose tow production (acetone)
- Magnetic media (MEK/Cyclohexanone)
- Copier paper / ribbon (methylene chloride)
- Solvent degreasing (trichloroethylene)
- Viscose production (acetone, CS₂)
- Resin moulding (styrene)

Available Pellet Diameters

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

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.

EcoSorb® HXA is an acid washed, high activity extruded activated carbon manufactured from steam activation from selected grades of anthracite coal. The material is exceptionally hard and resistant to mechanical breakdown resulting from a unique binding and extrusion process used during its manufacture. EcoSorb® HXA has been specifically developed for the adsorption of sensitive solvents that are particularly susceptible to oxidation or polymerization with the activated carbon surface. The elevation of the auto-ignition temperature by acid washing reduces the quantity of steam required for desorption and minimizes the risk of bed fires from these types of solvents.



Rotogravure printers and OEMs of solvent recovery systems rely upon EcoSorb® activated carbons for the efficient and economical recovery of solvents.

Specification

CTC activity	min. 70%
Moisture content (as packed)	max. 5%
Total ash content	max. 8%
Ball-pan hardness	min. 98%

Typical Properties

Surface area (BET)	1150 m ² /g
Butane activity	27%
Apparent density	450 kg/m ³
Pellet diameter tolerance	± 10%

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

