

EcoSorb® HX-Ultra

acid washed extruded
coal based activated carbon

Features and Benefits

- High activity
- Acid washed
- Optimized pore structure
- Exceptional hardness and strength
- Rigorously dedusted
- Maximum solvent loading
- High working capacity and low steam consumption
- Minimal product degradation giving low pressure drop
- Clean handling at adsorber loading and commissioning

Typical Applications

- Cellulose fiber production (acetone)
- Viscose fiber (acetone, CS₂)
- Magnetic media production (MEK / cyclohexane)
- Rotogravure printing (toluene)
- Solvent degreasing (trichloroethylene)

Available Pellet Diameters

- 2.0 mm
- 3.0 mm
- 4.0 mm
- Other granulations available upon request

Standard Packaging

- 15 kg bag (33 lb)
- 350 kg bulk bag (772 lb)



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

EcoSorb® HX-Ultra is an exceptionally high activity extruded activated carbon manufactured by steam activation from select grades of anthracite coal. This material has an extensively enhanced adsorption capacity for organic vapors coupled with high meso- and macro porosity to ensure rapid diffusion of adsorbate to adsorption sites. This activated carbon is exceptionally hard and resistant to mechanical breakdown due to a unique binding and extrusion process used during manufacturing. EcoSorb® HX-Ultra has been specifically developed for use in critical applications where high capacity and shallow bed depths are a feature of system design.



EcoSorb® activated carbons for the efficient and economical treatment of vapour and air streams containing organics and other contaminants.

Specification

CTC activity	min. 105%
Moisture content (as packed)	max. 2%
Total ash content	max. 6%
Ball-pan hardness	min. 98%

Typical Properties

Surface area (BET)	1450 m ² /g
Butane activity	40%
Apparent density	360 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
15 kg (33 lb) net weight on
300 kg (660 lb) pallets



Polypropylene liner-free
FIBCs (super sacks) of
350 kg (772 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

