

## EcoSorb® HX

### granular acid washed coconut shell based activated carbon

#### Features and Benefits

- High activity and density
- Optimized pore structure
- Acid washed
- Exceptional hardness and strength
- Rigorously dedusted
- Maximum contaminant loading
- Enhanced adsorption capacity
- Minimal product degradation giving low pressure drop
- Clean handling at adsorber loading and commissioning

#### Typical Applications

- Solvent degreasing (trichloroethylene)
- Adhesive tape (hexane)
- Filter tow production (acetone)
- Copier paper (methylene chloride)
- Aluminium foil (ethyl acetate)
- Film coating (acetone/MEK)

#### Available Particle Sizes

- 3x6 mesh (3.35 - 6.30 mm)
- 4x8 mesh (2.36 - 4.75 mm)
- 6x12 mesh (1.70 - 3.35 mm)
- 8x16 mesh (1.18 - 2.36 mm)
- Other particle sizes available upon request

#### 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® HX is a high activity granular acid washed activated carbon manufactured by steam activation from carefully selected coconut shell charcoal. It is ideally suited for use in vapour phase applications such as solvent recovery, VOC adsorption in air treatment processes and purification of industrial and natural gas. The process of acid washing removes reactive metal compounds from the surface of the activated carbon minimizing the possibility of oxidation of the activated carbon minimizing the possibility of oxidation of the adsorbate. EcoSorb® HX is particularly designed for the adsorption of low molecular weight compounds present in low concentrations in air or gas.



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

#### Specification

CTC activity	min. 60%
Moisture content	max. 5%
pH	5 - 7
Total ash content	max. 1%
Ball-pan hardness	min. 98%

#### Typical Properties

Surface area (BET)	1100 m <sup>2</sup> /g
Butane activity	25%
Apparent density	480 kg/m <sup>3</sup>

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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

