



TECHNICAL DATASHEET

PetroSorb™ 2000

Activated carbon for industrial liquid phase processes

PetroSorb™ 2000 is a high activity granular activated carbon, specifically manufactured for the treatment of water and process liquids used in refinery applications. This activated carbon provides a high removal efficiency of a range of organic contaminants. Applications include the upgrade of amine and glycol liquors; stripping of heavy poly-nucleic aromatics from hydrocracker feeds and refinery waste water cleaning. PetroSorb™ 2000 is available in a variety of particle size distributions to suit all hydraulic requirements. The material is durable and creates minimal dust during handling and operation, ensuring clean treated liquors.



SPECIFICATION*

Iodine adsorption	min. 950 mg/g
Moisture content, as packed	max. 5 %
Apparent density	min. 440 kg/m ³
Total ash content	max. 15 %
Wettability	min. 99 %
Ball pan hardness	96 %

TYPICAL PROPERTIES*

Iodine adsorption	1000 mg/g
Methylene blue adsorption	180 ml/g
Molasses number	150
Surface area (BET)	950 m ² /g
Apparent density	470 kg/m ³
Backwashed and drained density	410 kg/m ³

* SPECIFICATIONS AND TYPICAL PROPERTIES ARE PRODUCED USING JACOBI CARBONS' TEST METHODS. THEY ARE LISTED FOR INFORMATIONAL PURPOSES ONLY AND NOT TO BE USED AS PURCHASE SPECIFICATIONS. SALES SPECIFICATIONS CAN BE OBTAINED FROM YOUR JACOBI CARBONS TECHNICAL SALES REPRESENTATIVE AND SHOULD BE REVIEWED BEFORE PLACING AN ORDER.

Features and Benefits

- Rapid adsorption kinetics
- High activity adsorbent
- Mesoporous product
- Versatile adsorbent
- High mechanical strength
- Good adsorption capacity

Available Particle Sizes

- 4x8 mesh (4.3 - 2.36 mm)
- 8x18 mesh (2.36 - 1.18 mm)
- 8x30 mesh (2.36 - 0.60 mm)
- 10x20 mesh (2.00 - 0.85 mm)
- 12x40 mesh (1.70 - 0.43 mm)
- 20x40 mesh (0.85 - 0.425 mm)
- Other particle sizes considered on request

Standard Packaging

- 25 kg sack (55 lb)
- 500 kg bulk bag (1100 lb)
- Bulk tanker
- Other packing considered on request

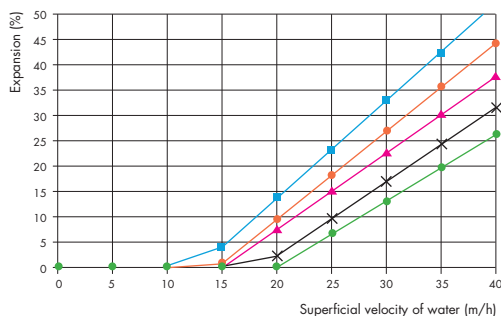
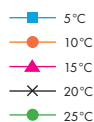


Polypropylene liner-free FIBCs (super sacks), two bags per pallet

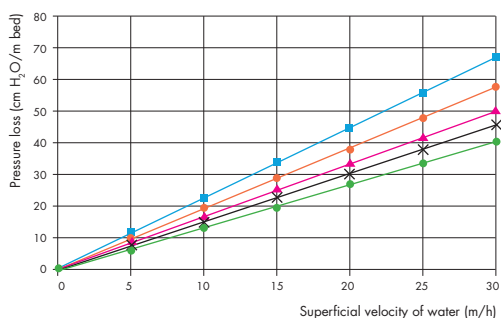
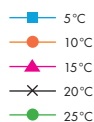


PetroSorb™ 2000 8x30 mesh

BED EXPANSION DURING BACKWASH

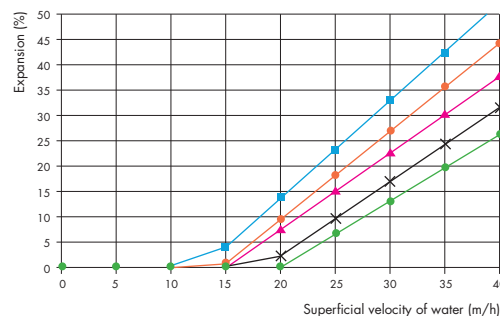
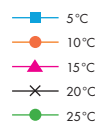


DOWNFLOW PRESSURE LOSS

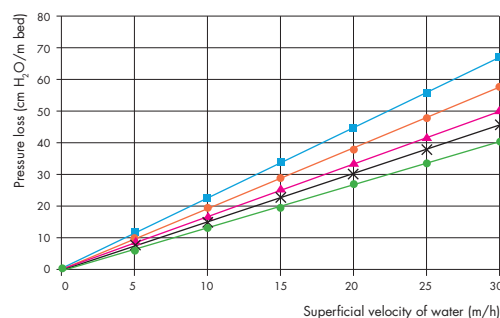
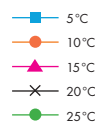


PetroSorb™ 2000 10x20 mesh

BED EXPANSION DURING BACKWASH

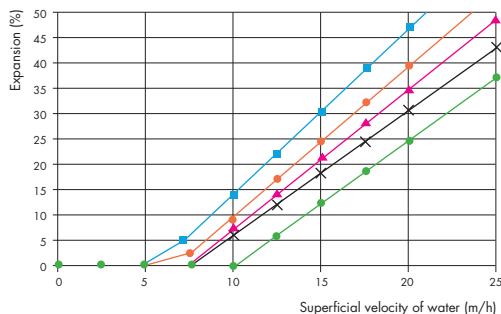
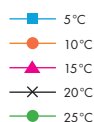


DOWNFLOW PRESSURE LOSS

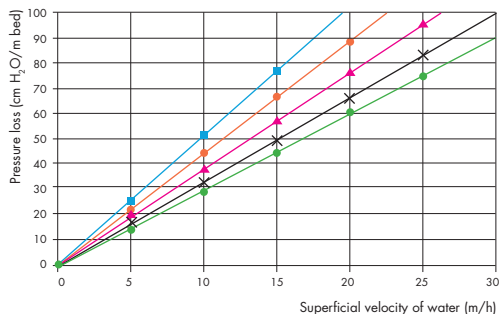
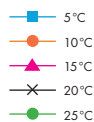


PetroSorb™ 2000 12x40 mesh

BED EXPANSION DURING BACKWASH



DOWNFLOW PRESSURE LOSS



Bed expansion and pressure loss curves are provided for the most commonly used particle sizes in water. Charts are available for all particle sizes on request, and for fluids of various viscosities.

For more information or to contact Jacobi visit: www.jacobi.net

PRODUCTION CAPABILITY

Jacobi Carbons operates multiple facilities for the manufacture of activated carbons. These production plants are strategically located close to market and raw material sources. With an annual output in excess of 70,000 metric tonnes, Jacobi Carbons is able to supply product to all locations around the globe. All production units are certified according to internationally recognised standards (ISO9000 & ISO14001). Quality control is consistent throughout the group of companies and goods are always shipped in compliance with customer specifications.

CARBON APPLICATION KNOWLEDGE

The supply of activated carbon products is supported by an industry-leading technical support service. Our in-house expertise extends over many years of practical experience in the design and utilisation of activated carbon in a variety of applications. Jacobi Carbons can assist in the design, specification and method of use of our products to achieve the optimum treatment outcome required. Our laboratory facilities support our product portfolio with a extensive library of technical data.



NOTICE Due to the progressive nature of the 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.

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