



EcoSorb® GXB

Extruded coal based activated carbon

Product Introduction

EcoSorb® GXB is a high activity extruded activated carbon manufactured by 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® GXB has the perfect balance between adsorption and transportation pores enabling the efficient adsorption of a range of organic contaminants present in air and gas streams with optimum capacity. As a result, it is particularly suited to the removal of organic compounds associated with industrial process streams and building ventilation systems.



Product Key Features

- High activity
- Extensive pore structure
- Exceptional hardness and strength
- Rigorously dedusted

Benefits

- Excellent efficiency of operation
- High adsorption capacity, longer life
- Minimal product degradation giving low pressure drop
- Clean handling at adsorber loading and commissioning

PARAMETER	UNIT	VALUE	TEST METHOD
Carbon tetrachloride activity (CTC)	%	60	ASTM D3467
Butane activity	%	24	ASTM D5742
Surface area	m ² g ⁻¹	1000	BET N ₂
Total pore volume	cm ³ g ⁻¹	0.76	Porosimetry (N ₂ /Hg)
Apparent density	kg m ⁻³	500	ASTM D2854
Moisture content - as packed	%	2	ASTM D2867
Total ash content	%	8	ASTM D2866
Ball-pan hardness number	%	99	ASTM D3802
Specific heat	J g ⁻¹ K	0.95	

TYPICAL APPLICATIONS
<ul style="list-style-type: none"> • Fresh air intake systems • De-oiling of compressed gas • Cooker hood filters • Comfort air systems (HEVAC) • Office equipment filters • Ozone generation equipment • Commercial kitchen extraction • Domestic appliance filters

PARAMETER	UNIT	1.5	2	3	4	5	6
Available pellet diameters	mm	1.5	2	3	4	5	6
Pellet diameter tolerance	± %	5	5	5	10	10	10



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T E C H N I C A L D A T A S H E E T

Product Packaging



Polyethylene valve bags of 25 kg
net weight on 500 kg pallets



Polypropylene non-linear
FIBCs (big bags) of 500 kg
net weight



All materials supplied are
in full accordance with our
ISO-9000 quality system.

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 the 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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