

Filtracarb® OD1

Filtracarb® OD1 is a cylindrical extruded pellet manufactured from specially selected grades of coal by a steam activation process.

Filtracarb® OD1 is manufactured under stringently controlled conditions to produce a porous adsorbent with a highly developed surface area.

Filtracarb® OD1 is impregnated with a high loading of alkaline chemicals to optimise the removal of sulfur compounds at moisture levels of up to 95% relative humidity (RH).

KEY PRODUCT FEATURES

- High capacity for conversion of hydrogen sulphide (H₂S)
- High capacity for the physical adsorption of mercaptans
- Low pressure drop characteristics
- Excellent product hardness
- Low dust
- Supplied to BS EN ISO 9001:2015 and ISO 14001:2015

TYPICAL PROPERTIES

Parameter	Unit	Value	Method
Type		Coal	
Iodine number	mg g ⁻¹	950	ASTM D4607
Moisture (base carbon)	% max	5	ASTM D2867
Pellet diameter	mm	4 ± 20%	ASTM D2862
Hardness	%	95	ASTM D3802
Bulk density	g cm ⁻³	0.49 – 0.54	ASTM D2854
Ash	%	15	ASTM D2866
CTC	% min	55	ASTM D3467
Surface area	m ² g ⁻¹	1000	BET N ₂
Moisture as packed	% max	15	ASTM D2867
Catalytic impregnant	%	7 – 8	

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PRODUCT

Typical properties reflect average values from product analysis.

All tests are based on American Standard Test Methods (ASTM) unless otherwise stated.

Activated carbon is manufactured from naturally occurring products and is therefore subject to natural variation, which occurs from batch to batch.

Information is valid on the date of issue. As part of our policy of continuous development, however, CPL Activated Carbons reserves the right to modify specifications without prior notice. To obtain a current up to date sales specification with test methods, please contact CPL Activated Carbons.

PACKAGING AND TRANSPORTATION

- 20 kg/25 kg on 500 kg net weight per pallet (double stacked)
- 500 kg and 1000 kg net weight Big Bags on a pallet
- One of our Clean-Flo® VOCSorber® mobile carbon filters, either 2m³, 5m³ or 30m³

Virgin and Regenerated Activated Carbons are exempt from DOT, IATA and IMDG regulations.

H.S. Tariff Code: 38 02 10 000

CAS Number: 7440-44-0

CPL REACH Registration numbers: 01-2119488894-16-0004/0044

SAFETY WARNING

Avoid inhalation of carbon dust. Wet activated carbon depletes oxygen in confined spaces. Appropriate safety equipment should be worn when handling activated carbon products — please refer to our SDS for more details.

Some impregnated carbons are prone to self-heating following installation, especially in the presence of high concentrations of contaminants. In such cases, the ventilation fan for the system should be utilised during the filling of the unit and for 24 hours following installation or service. If you are unsure if this will affect you please discuss with us prior to commencing installation.



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