

## Filtracarb® FGT+

**Filtracarb® FGT+** is a powder activated carbon manufactured from specially selected grades of coal by a steam activation process and blended with high performance cokes at our UK production facility.

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

**Filtracarb® FGT+** has achieved an excellent reputation for its high performance throughout the energy-from-waste (EfW) flue gas treatment sector over many years.

### KEY PRODUCT FEATURES

- Designed for optimal flue gas treatment
- Highly developed pore structure
- Excellent heavy metal adsorption for mercury removal
- Optimum dioxin and furan removal efficiency
- Supplied to BS EN ISO 9001:2015 and IS 14001:2015

### TYPICAL PROPERTIES

Parameter	Unit	Value	Method
Type		Coal	
Iodine number (blend)	mg g <sup>-1</sup>	500	ASTM D4607
Moisture as packed	% max	5	ASTM D2867
Mesh size US sieve:			Wet sieve
> 40 (425 µm)	%	0	
> 70 (212 µm)	%	Trace	
< 200 (75 µm)	% min	85	
D50	µ	<30 µm	
Bulk density	g cm <sup>-3</sup>	0.5 – 0.6	ASTM D2854
Dust Explosion Class		St1	VDI-2263
Smoulder Temperature	°C	>450	VDI-2263
Surface area	m <sup>2</sup> g <sup>-1</sup>	600	BET N <sub>2</sub>

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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
- Bulk Tanker

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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