

# ACTIVATED CARBON DATASHEET



## IMPREGNATED EXTRUDED COAL BASED ACTIVATED CARBON

### ACF-500FR

#### PRODUCT KEY FEATURES

- ⇒ Excellent adsorption characteristics
- ⇒ Extensive pore structure
- ⇒ Rigorously de-dusted
- ⇒ Low ash content
- ⇒ Exceptional hardness & strength

#### TYPICAL APPLICATIONS

- ⇒ All the application benefits of a base carbon
- ⇒ ACF500FR is specially impregnated for mercury removal

Characteristics	Unit	Value	Method
Carbon tetrachloride activity (CTC)	%	60	ASTM D3467
Butane activity	%	25	ASTM D5742
Surface area	m <sup>2</sup> g <sup>-1</sup>	1050	BET N2
Total pore volume	cm <sup>3</sup> g <sup>-1</sup>	0.76	Porosimetry (N2/Hg)
Apparent density	kg m <sup>-3</sup>	650	ASTM D2854
Moisture content – as packed	%	15	ASTM D2867
Total ash content	%	8	ASTM D2866
Ignition temperature	°C	425	ASTM D3466
Ball-pan hardness number	%	99	ASTM D3802
Impregnant	%	7.5	Atomic Absorption

Particles size US sieve	Unit	Sizes					
Available pellet diameters	mm	1.5	2	3	4	5	6
Pellet diameter tolerance	%	5	5	5	10	10	10

The above data has been compiled using the specified test method on material which has been sampled in accordance with the American Society for Testing and Material guidance for sampling activated carbon as given in practice ASTM E300-1996

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