

# ACTIVATED CARBON DATASHEET



## EXTRUDED COAL BASED ACTIVATED CARBON

### ACF-150BXB

#### PRODUCT KEY FEATURES

- ⇒ High activity and density
- ⇒ Optimised pore structure
- ⇒ Rigorously de-dusted
- ⇒ Low ash content
- ⇒ Exceptional hardness & strength

#### TYPICAL APPLICATIONS

- ⇒ ACF-150BXB is specifically developed range of extruded coal based carbons for use in solvent recovery units. Applications include tape production (MEK), printing (toluene), pharmaceuticals (methylene chloride) and cellulose acetate (acetone).

Characteristics	Unit	Value	Method
Carbon tetrachloride activity (CTC)	%	65	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>	490	ASTM D2854
Moisture content – as packed	%	2	ASTM D2867
Total ash content	%	8	ASTM D2866
Ignition temperature	°C	425	ASTM D3466
Ball-pan hardness number	%	99	ASTM D3802

Benzene isotherm at 15 degrees celcius	Units	Value	Method
288g m <sup>-3</sup> (p/ps = 0.9)	%	40	ASTM D5160
32g m <sup>-3</sup> (p/ps = 0.1)	%	35	ASTM D5160
3.2g m <sup>-3</sup> (p/ps = 0.01)	%	26	ASTM D5160
0.32g m <sup>-3</sup> (p/ps = 0.001)	%	12	ASTM D5160

Particles size US sieve	Unit	Sizes					
		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

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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