

# ACTIVATED CARBON DATASHEET



## IMPREGNATED GRANULAR COCONUT BASED ACTIVATED CARBON

### ACF-250KI

#### PRODUCT KEY FEATURES

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

#### TYPICAL APPLICATIONS

- ⇒ All the application benefits of a base carbon
- ⇒ ACF250KI is specially impregnated for acid gas removal

Characteristics	Unit	Value	Method
Carbon tetrachloride activity (CTC)	%	60	ASTM D3467
Butane activity	mg g <sup>-1</sup>	25	ASTM D5742
Surface area	m <sup>2</sup> g <sup>-1</sup>	1150	BET N2
Total pore volume	cm <sup>3</sup> g <sup>-1</sup>	0.68	Porosimetry (N2/Hg)
Apparent density	kg m <sup>-3</sup>	560	ASTM D2854
Moisture content – as packed	%	18	ASTM D2867
Total ash content	%	8	ASTM D1755
Ball-pan hardness number	%	95	ASTM D3802
Impregnant	%	2.5	Atomic absorption

Particle size US sieve	Unit	3x6	4x8	6x12
>3 (6.30mm)	%	4	-	-
>4 (3.36mm)	%	-	4	-
>6 (3.35mm)	%	-	-	5
>8 (2.36mm)	%	-	-	-
<6 (3.35mm)	%	3	-	-
<8 (2.36mm)	%	-	3	-
<12 (1.70mm)	%	-	-	5

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 Materials guidance for sampling activated carbon as given in practice ASTM E300-1996

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