

ACTIVATED CARBON DATASHEET



IMPREGNATED GRANULAR COCONUT BASED ACTIVATED CARBON

ACF-450AM

PRODUCT KEY FEATURES

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

TYPICAL APPLICATIONS

- ⇒ All application benefits of a base carbon
- ⇒ ACF450AM is specially impregnated for alkali gas removal

Characteristics	Unit	Value	Method
Carbon tetrachloride activity (CTC)	%	65	ASTM D3467
Butane activity	mg g ⁻¹ min	25	ASTM D57427
Surface area	m ² g ⁻¹	1000	BET N2
Total pore volume	cm ³ g ⁻¹	0.76	Porosimetry (N2/Hg)
Apparent density	kg m ⁻³	630	ASTM D2854
Moisture content – as packed	%	10	ASTM D2867
Total ash content	%	9	ASTM D2866
Ball-pan hardness number	%	99	ASTM D3802
Impregnant	%	10	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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