



Nanda Incorporated

ACTIVATED CARBON

TECHNICAL DATASHEET

Water Treatment Carbons

Coconut shell based granular activated carbon

PRODUCT PROFILE

WTC is granular high grade activated carbon manufactured by steam activation of exclusive pure virgin coconut shell charcoal. Unique characteristic of exceptional class microporosity enables this grade most suitable for the adsorption of impurities in water treatment operations. Superior mechanical hardness and ability to act as bacteriostat features of this grade makes it carbon of choice for water treatment.

Main Features

- ❖ Extensive internal surface area
- ❖ Increased density
- ❖ Optimized microporous structure
- ❖ Supreme Hardness and abrasion resistance

Advantage

- ❖ Exceptional adsorption power
- ❖ Larger activity volume
- ❖ Fast and efficient processing capacity
- ❖ Dust free pure product

Preferred Application

- ❖ Water & sludge treatment
- ❖ Environmental protection
- ❖ Food processing
- ❖ Chemicals
- ❖ Pharmacy-manufacturing

CHARACTERISTIC	VALUE	UNIT	TEST METHOD
• Iodine #	500 - 1500	mg g ⁻¹	IS: 2752 - 1995 (2006)
• Moisture	3 - 10	%	IS: 877 - 1989 (2006)
• Ash	2 - 5	%	IS: 877 - 1989 (2006)
• Apparent density	350 - 670	kg m ⁻³	ASTM D 2854 - 2009
• pH	6 - 11	#	IS: 877 - 1989 (2006)
• Ball-pan hardness	95 - 99.2	%	IS: 877 - 1989 (2006)

PARAMETER	ASTM mesh	#	4 x 8	6 x 12	8 x 16	8 x 30	12 x 40	20 x 50
	Particle Sizes	mm		4.75 - 2.36	3.36 - 1.7	2.36 - 1.18	2.36 - 0.60	1.7 - 0.425
Over Size Max.	%		5	5	5	5	5	5
Under Size Max.	%		5	5	5	5	5	5
Effective Size	mm		3.15	1.8	1.2	0.8	0.6	0.45
Mean Particle Diameter	mm		3.3	2.3	1.8	1.4	1.0	0.60
Uniformity Coefficient	#		1.2	1.2	1.5	1.7	1.7	1.4

❖ Available Packaging:

- 25/40 /50 Kg HDPE Bags
- 500/1000 Kg Super Sacks

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