



PATEL MINECHEM

ACTIVATED CARBON/CHARCOAL

(Powder, Granular & Pellet)



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ACTIVATED CARBON/CHARCOAL

PATEL MINECHEM in India is well established Manufacturer & Exporter of Minerals & Chemicals to all over the world. We started our Journey as Minerals Mfg. Company in GIDC Visnagar, Gujarat, India and growing as a leading export house serving over 6+ countries globally to various customers and partners.

Patel Minechem is one of the leading manufacturers of Activated Carbon Powder/Granular in India, Manufacturing capacity of 700 MT per Annum.

We have excellent infrastructure to manufacture Powder and Granular Activated Carbon with necessary production facility setup nearby Ahmedabad, Situated in Gujarat, India.

We have well-equipped, modern testing laboratory and each material is tested several times during production and before dispatch.

Our prime motto has always been providing “Delivering Best Quality at Best Price on Right Time”.

Activated Carbon is a porous form of carbon which is manufactured from various carbonaceous raw materials like Wood Coal, Pine wood, Coconut shell, Saw dust & Lignite.

Available Products: - *All product are available in Powder & Granular form with required customization.



Wood Coal Based Steam Activated Carbon



Coconut Shell Based Steam Activated Carbon



Saw Dust Based Activated Carbon



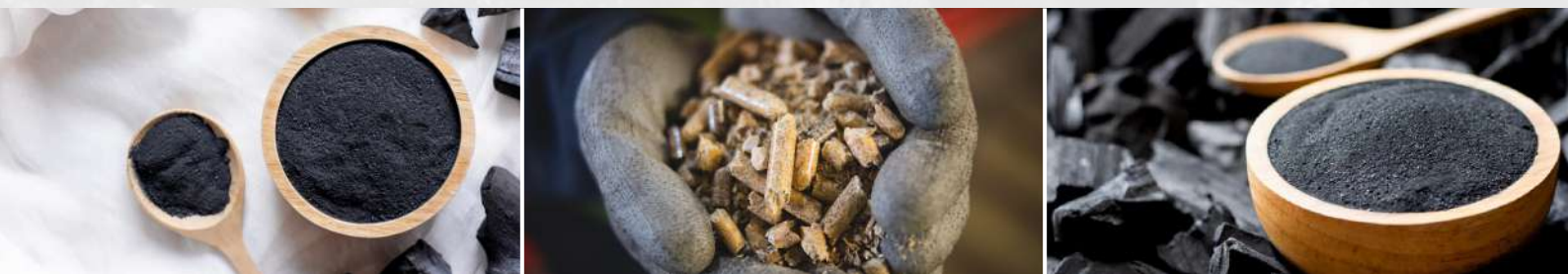
Lignite Based Activated Carbon

WOOD COAL BASE STEAM ACTIVATED CARBON POWDER (WASHED)

Appearance	Fine Black Powder				
Methylene Blue Value (M.B. Value) (Mg / gm)	220	250	280	320	350
Iron Contents (max %)	250 ppm	250 ppm	200 ppm	100 ppm	80 ppm
pH of 1% Water Extract	6-7	6-7	6-7	6-7	6-7
Ash Contents (max %)	5%	5%	5%	5%	5%
Loss on drying (max %)	7%	7%	7%	7%	7%
Acid soluble matter (w/w)	3%	3%	3%	3%	3%
Water soluble matter (w/w)	2%	2%	2%	2%	2%
Packing Size	25Kg/30Kg HDPE Bag with inner linear				

WOOD COAL BASE STEAM ACTIVATED CARBON POWDER (UNWASHED)

Appearance	Fine Black Powder				
Methylene Blue Value (M.B. Value) (Mg / gm)	150	200	250	300	350
Iron Contents (max %)	1000 ppm	800 ppm	600 ppm	500 ppm	500 ppm
pH of 1% Water Extract	9-11	9-11	9-11	9-11	9-11
Ash Contents (max %)	12-15%	10-12%	8-10%	7-9%	12-15%
Loss on drying (max %)	7%	7%	7%	7%	7%
Packing Size	25Kg/30Kg HDPE Bag with inner linear				



COCONUT SHELL BASED STEAM ACTIVATED CARBON – GRANULAR FORM



Appearance	Black Granular (Coconut Shell Coal Based)				
Particle Size ($\pm 5\%$)	Any sieve size viz. 4/8, 4/16, 8/16, 8/30, 16/40				
Iodine Value (Mg/gm)	650	750	900	1000	1100
pH	9-11	9-11	9-11	9-11	9-11
Moisture (max %)	5	5	5	5	5
Total Surface Area (m ² / gm)	500	750	850	950	1100
Bulk Density (gm/ml)	0.55	0.52	0.50	0.45	0.42
Ash Content (max %)	3-5	3-5	3-5	3-5	3-5
Hardness no	90-95	85-90	80-85	80-85	75-80
CTC Adsorption (min)	18-20	28-30	38-40	48-50	58-60
Packing Size	25Kg Bag (As per requirement also)				

WOOD COAL BASED STEAM ACTIVATED CARBON – GRANULAR FORM

Appearance	Black Granular (Wood Coal Based)				
Particle Size ($\pm 5\%$)	Any sieve size viz. 4/8, 4/16, 8/16, 8/30, 16/40				
Iodine Value (Mg/gm)	500	650	750	900	1000
pH	9-11	9-11	9-11	9-11	9-11
Moisture (max %)	5	5	5	5	5
Total Surface Area (m ² / gm)	480	620	700	850	950
Bulk Density (gm/ml)	0.55	0.52	0.50	0.45	0.40
Ash Content (max %)	8-10	8-10	8-10	8-10	8-10
Hardness no	80	85	87	90	90
CTC Adsorption (min)	25-30	30-35	35-40	45-50	55-60
Packing Size	25Kg Bag (As per requirement also)				

LIGNITE BASED ACTIVATED CARBON POWDER & GRANULAR

1	Moisture(%) 110 °C	5.0% max
2	Total surface area	200-300 m ² /gm
3	Color	Black
4	Bulk density	0.5-0.55 mg/ml
5	Particles Size	B.S.S 100 mesh : 95% Passing B.S.S 150 mesh : 90% Passing B.S.S 200 mesh : 80% Passing B.S.S 350 mesh : 50% Passing
6	pH Value (25 °C)	9-11
7	Methylene Blue value	120 -130 mg/gm
8	Iron contents	1000-1200 ppm
9	Iodine value	500-600 mg/gm
10	Ash contents	15%-25%



ACTIVATED CARBON FINDS EXTENSIVE USE AS A PURIFIER, COLOUR ADSORBER AND DEODORIZER IN THE FOLLOWING INDUSTRIES

- ◆ Pharmaceuticals & Bulk drug industries.
- ◆ Effluent Treatment Plant
- ◆ Waste water treatment for reduction level of COD
- ◆ Fertilizer units & Petroleum refinery as a catalyst carrier.
- ◆ Purification & De-Colorization of Plasticizers, Glycerin, Paraffin, Waxes, chemical, Dyes.
- ◆ Bleaching & Deodorizing of Vegetable oils, Edible oils & Fats.
- ◆ Sugar industries & Thermal and Nuclear power station.
- ◆ Breweries and Wine making industries.
- ◆ Pollution control equipment & Electro Plating Chemicals.
- ◆ For removing undesirable components & color correction in all types of industries



PACKING, STORAGE & HANDLING

Packing Standards:

Our packing is clean, simple and specifically designed to prevent carbon leaks, our high quality products will arrive in our innovative packaging when you need them.

Packaging Quality: - Packed with inner plastic and outer HDPE & woven bag

Packing Size: - 5Kgs, 25Kgs, 500Kgs, 1000Kgs & Jumbo bags

Storage:

It is essential to store the product in a dry place to avoid moisture absorption.

Handling:

Our product is free flowing powder/granular. It can very well be automatically conveyed via vacuum line. Normal handling effect has no effect on skin.

