



POORNIMA ENGG. CARBON CO.

Mr. S.B.Phatak.

Mob:-

9372347487/9322521507/9867756507



POORNIMA ENG & CARBON CO.

MANUFACTURING OF ACTIVATED CARBON

Proprietor :-Mr. S. B.Phatak.

Add:- 001, Ganesh Siddhi CHS. Gr. Floor . Nr. Model English School, Manpada Road, Pandurangwadi ,
Dombivali (East) Thane. E- Mail :- poornimacarbon@yahoo.in \ phatak.sachin@yahoo.com
ISO 9001:2015 (Certificate No. 1705240910108)

PH:- 9322521507/ 9867756507/ 9820868587/ 9967102023/9372347487

❖ COMPANY PROFILE:-

Poornima Eng. & Carbon is a company established by team of Technocrats & Professionals, principally for undertaking manufacturing & marketing of Activated Carbon of different types & grades. The Company Manufacture assured quality products, has great appreciation among reputed multinationals companies.

❖ ACTIVATED CARBON & ANTHRACITE:-

Activated carbon/ Anthracite is a porous form of Carbon manufactured from Coconut Shell, wood or Coal. Activation is achieved with steam and it develops myriad of pores with enormous internal surface area. The porosity a remarkable power of **ADSORPTION**, an indispensable process in industrial separation, purification, decolonization and recovery techniques. The carbon exert an attraction (van der waals force) on the molecules of surrounding liquid and fixes on to its pore walls. This is the basis of mechanism whereby Activated Carbon Anthracite may be used to remove one or more components from a mixture.

❖ GRANULAS:-

In **GASPHASE** adsorption, Granular Carbon is almost always used because the pressure drop in the carbon bed is of prime importance and Only Granular Carbon will allow sufficient flow with an acceptable pressure drop. In **LIQUID PHASE** applications, both Granular and powdered carbon can be used. Due to **SUPERIOR ADSORPTION, HIGH DENSITY, LOW ATTRITION LOSS**, HIGH use of Granules has resulted in increased service life greater Filter efficiency, fewer regeneration cycles and economy on hardware costs.

Activated Carbon Granules / Anthracite made from coconut shell Charcoal is used when a single product or grade is being continuously treated in large quantities. Normally granular

carbon/ Anthracite can be regenerated which involves washing or burning off the impurities and restoring the pore structure.

❖ **APPLICATION OF GRANULAR ACTIVATED CARBON / ANTHRACITE:-**

- 1) Water treatment: Dechlorination, oil removal from condensate, swimming pools, oil removal from compressed gases, waste water.
- 2) Mercury Recovery – (Liquid & Gasses) Gas purification, Gas masks, Catalyst carrier wine purification, Effluent treatment, Removal of process impurities, Gold Recovery, thin lyr application.

❖ **SPECIFICATION OF POORNIMA BRAND ACTIVATED CARBON:-**

Iodine no, mg \gm. Min	500	700	800	900	1000
Ash Max %	4.1%	4.1%	3.5%	3.5%	3.0%
Moisture Max %	5.2%	4%	3.5%	3.5%	3%
Apparent Density	0.65	0.65	0.50	0.46	0.40
Ph	7.5	7.5	7.5	7.5	7.5
Hardness min %	98%	95%	95%	95%	95%

- **Size:-** Any Standard sieve size to suit customers' requirement.
- **Anthracite:-** Any standard sieve size to suit also we are manufactured.

❖ **Crushed Coconut Carbon: Available As per Party Specification.**

❖ **POWDERED ACTIVATED CARBON:-**

Activated Carbons (Powdered) are derived from either hard wood charcoal or fine wood charcoal. Naturally therefore these carbons are vegetable origin. In the activation process the super heated steam reacts with wood Charcoal (water gas reaction) and opens up fresh space in an already porous charcoal. New pores are created allowing access to the molecules to be adsorbed on the surface of the Charcoal. Surface area of some grades of our activated carbon can be as high as 800 to 1500m²/gm. This is short is the process of activation of carbon.

The Activated material is pulverized blended and sieved to get different grades of powdered activated carbons to meet the diverse needs.

❖ USE OF POWDERDE ACTIVATED CARBON:-

Purification of edible and inedible oils, purification of higher fatty Acid. Food Industries (Glucose, fructose), Soft drink and effluent treatment.

➤ Specification of powdered Activated Carbon:-

Fine Black Powder	ph	Ash %	Bulk density	MB Value	Moisture	Rate
	Alkaline	8	300+-25	285	5%	

❖ USE OF POWDERDE ACTIVATED CARBON:-

Purification of edible and inedible oils, purification of higher fatty Acid. Food Industries (Glucose, fructose), Soft drink and effluent treatment.

➤ Specification of Unwashed Powder Grades:

M B Value	Mg/g	100	150	200	250	280	320
KMno4	%min	25	25	45	55	60	70
Ash	%max	25	15	10	10	10	10
Iron(ppm)	max	1000	1000	800	800	600	500
Acid Soluble (HCL)	% max	10	10	10	10	10	10
Water Soluble	% max	5	5	3	2	2	1
L.O.D.	% max	10	10	10	10	10	10
CL & SO4	max	USP	USP	USP	USP	USP	USP
ph		Alkaline	Alkaline	Alkaline	Alkaline	Alkaline	Alkaline
Particle Size	.....	.....98%	Passes	Through	100	Mesh...	.....

➤ Specification of Acid Washed Powder Grades

M B Value	Mg/g	150	200	250	280	320
KMno4	%min	25	35	45	55	65
Ash	%max	8	5	4	4	3
Iron(ppm)	max	300	200	200	150	1
Acid Soluble (HCL)	%max	5	3	2	2	1
Water Soluble	%max	5	1	1	1	1
L.O.D.	max	20	10	10	10	8
CL & SO4	max	USP	USP	USP	USP	USP
Particle Size	.....	.....98%	Passes	Through	100	Mesh...

❖ **QUALITY CONTROL:-**

Under the personal supervision of chief chemist, every batch of final product is tested and **QUALITY CONTROL TEST CERTIFICATE** IS RECORDED BEFORE DISPATCH MATERIAL.

➤ **Packing:- Packing in 25Kg laminated bag with inner liner.**

❖ **QUALITY CONTROL:-**

Under the personal supervision of chief chemist, every batch of final product is tested and **QUALITY CONTROL TEST CERTIFICATE** IS RECORDED BEFORE DISPATCH MATERIAL.

➤ **Packing: - Packing in 50Kg / 25Kg laminated bag with inner liner.**

❖ **TERMS & CONDITIONS:-**

- Taxes: - Vat As Applicable.
- Payment: - As usual.
- Transportation :- Extra
- Validity: - This offer valid for 1 Month only.
- Delivery:- Ex-Bhivandi Or EX-Factory within 7 to 15 days after receipt of confirmed order & quality of order.

We are waiting for your valuable order & assuring you our best attention at all times.

Thanking You,

Yours Truly,
For POORNIMA ENGG. & CARBON CO.

Factory Add:- Plot no. B-13, At- Shirala M.I.D.C. Tal- Shirala, Dist- Sangli 415 408.

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