

FREEMAN COCONUT SHELL ACTIVATED CARBON

PT ZEFA VALINDO JAYA
Water & Air Treatment Specialist

ABOUT US

PT Zefa Valindo Jaya focuses on Water Treatment and Air Treatment EPC.

Our products and services include of Waste and Water Treatment, Specialty Chemicals, Air Conditioning or HVAC Total Systems, Dosing Pumps, Coating, Gas Turbines Cleaners, Filter, Vibrating Screen, Industrial Equipments, Maintenance Products & Services, etc.

More than 20 years of experiences, ZEFA has more than hundreds loyal satisfied customers .

WHY Freeman Carbon?

Freeman activated carbons produced from coconut shell, utilizing the steam activation technology in rotary kilns.

Freeman activated carbons has a very high adsorptive capacities, coupled with a natural hardness that renders the carbon highly resistant to physical breakdown through attrition.

The superior hardness of Freeman activated carbons lead to a better physical cleanliness and longer life expectancy.

Freeman Carbon Liquid Phase Filtration

Liquid Phase Filtration product series : FCI 814 LPF, FCI 816 LPF, FCI 830 LPF, FCI 1030 LPF, FCI 1230 LPF, FCI 1240 LPF, FCI 2040 LPF, FCI 2050 LPF, FCI 3060 LPF, FCI 3070 LPF.

FCI LPF series of Coconut Shell Activated Carbon are produced from selected Coconut Shell which gives high hardness and adsorption value that is suitable for Liquid Phase Filtration (LPF) applications.

It can be used efficiently for removal of contaminants in water and deodorized during the process. The superior absorption capacity & surface area makes it particularly attractive for the removal of organics from wastewater, it is suitable for drinking water and food grade applications.

Product Specification

ITEM	VALUE	TESTING METHOD
Iodine Adsorption (mg/gr)	1,050 Min.	ASTM D 4607
Ball Pan Hardness (%)	98% Min.	ASTM D 3802
Apparent Density (gr/ml)	0.46 Min.	ASTM D 2854
Ash Content (%)	5% Max.	ASTM D 2866
Moisture Content (%)	5% Max.	ASTM D 2867
pH	9-11	ASTM D 3838
Particle Size Distribution (%)	90% Min.	ASTM D 2862

* For general information only, not to be construed as purchase specifications.



Freeman Carbon Gold Recovery

FCI 612 GRC Coconut Shell Activated Carbon is produced from selected coconut shell which gives high hardness that is process under strictly control activation process for gold recovery application. It can be used efficiently for gold recovery during CIP(Carbon in Pulp), CIL(Carbon in Leach), CIC(Carbon in Column) process.

Product Specification

ITEM	VALUE	TESTING METHOD
Butane Adsorption (%)	23.52 Min.	ASTM D5742
CTC Adsorption (%)	60 Min.	Butane Correlation 2.55
Ball Pan Hardness (%)	99% Min.	ASTM D3802
Apparent Density (gr/ml)	0.47 Max.	ASTM D2854
Ash Content (%)	4% Max.	ASTM D2866
Moisture Content (As packed) (%)	5% Max.	ASTM D2867
Abrasion Number (%)	94% Min.	ITM.019
Platelet Content (%)	6% Max.	ITM.009
Fine Content (%)	2% Max.	ITM.009A
D50 Factor (mm)	2.2mm - 2.8mm	ITM.010
Particle Size Distribution (%)	90% Min.	ASTM D2862

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** We do not test CTC in our plant to help preserve our precious ozone layer

