

**AeroMAX™**

# HVAC & Commercial IAQ – Activated Carbon

Premium Activated Carbon Adsorbent Media for  
Indoor Air Quality Control.

## Product Overview

**AeroMax** IAQ Series is a premium coconut shell-based activated carbon range engineered for HVAC, AHU, and commercial indoor air quality systems. Manufactured using controlled steam activation, these carbons provide efficient VOC, odour, and chemical vapour removal while maintaining stable pressure drop.



## Why Coconut Shell Carbon for IAQ

Coconut shell carbon offers superior microporosity, low ash, and high hardness, making it ideal for continuous airflow environments where dusting and attrition must be minimised.

## Key Performance Advantages

High VOC & Odour Adsorption, Stable Pressure Drop, Low Dust & Attrition, uniform airflow distribution and OEM-Friendly Consistency

## Typical Applications

Commercial buildings, airports, hospitals, malls, offices, hotels, residential air purifiers, and central HVAC systems.

## Packaging, Handling & Safety

25 kg PP woven bags with PE inner liner for granular grades.  
25 kg PE valve sacks or equivalent dust-controlled bags for pelletised / extruded grades

500 kg FIBC / jumbo bags with liner.

Palletised export packing and OEM private-label packing available on request.

Wet carbon depletes oxygen; confined space safety procedures apply.



PP woven bag / PE liner / FIBC Jumbo Bag

## Product Grades

Carbonmax offers two performance tiers tailored to customer needs:



**AeroMax  
STD**  
(55–60 CTC)  
for cost-efficient  
IAQ systems.



**AeroMax  
PRO**  
(65–75 CTC)  
for premium  
IAQ and sensitive  
environments.

## Typical Specifications

| Specification        | Value                       |
|----------------------|-----------------------------|
| CTC Activity         | 55–75%                      |
| Iodine Number        | ≥1050–1100 mg/g             |
| Surface Area         | 1000–1200 m <sup>2</sup> /g |
| Bulk Density         | 480–520 kg/m <sup>3</sup>   |
| Butane Activity      | ≥25–28%                     |
| Hardness             | ≥ 98                        |
| Ignition Temperature | ≥425 °C                     |
| Moisture             | ≤5%                         |
| Ash                  | ≤5%                         |

## Manufacturing & Quality Control

Produced in rotary kilns with batch-wise QC for activity, density, hardness, moisture, ash, and pH.

**Disclaimer:** The information provided is based on laboratory and field data and is believed to be reliable. Carbonmax Advantech Pvt Ltd makes no warranty regarding performance in specific applications. Users are advised to conduct trials to confirm suitability.

## Carbonmax Advantech Private Limited

SF No: 21A1, Pollachi Road, Palladam - 641664  
Tirupur District, Tamil Nadu, India.

+91 9943499855

[info@carbonmaxtech.com](mailto:info@carbonmaxtech.com)

[www.carbonmaxtech.com](http://www.carbonmaxtech.com)