carbonmax
ACTIVATED CARBON

AeroMAX™

Industrial Exhaust & VOC Control Activated Carbon

High-Performance Activated Carbon for Industrial Air & Gas Treatment.

Product Overview

AeroMax Industrial Series is a high-performance coconut shell based activated carbon range designed for industrial exhaust air treatment, VOC control, solvent vapour adsorption and gas-phase polishing applications where high adsorption capacity, mechanical strength and stable pressure drop are required.

Gas-Phase Adsorption Philosophy

Optimised micropore and mesopore balance enables effective capture of solvents, VOCs, acidic gases, and industrial odours.

Key Performance Advantages

High VOC loading, low attrition, resistance to pressure drop build-up, and stable multi-cycle performance.

Typical Applications

Chemical plants, pharma manufacturing, paint booths, printing units, food processing, wastewater odour control, industrial ventilation systems.

Gas Removal Capacity (Typical)

NO_2 : ~6–7% by wt

Chlorine : ~10% by wt

Dichloroethane : ~20% by wt

High VOC adsorption efficiency

Manufacturing & Quality Control

Steam-activated coconut shell carbon with rigorous QC. Non-hazardous; oxygen depletion precautions apply.

Product Grades

Carbonmax offers three performance tiers tailored to customer needs:

AeroMax
STD
(55–60 CTC)

AeroMax
PRO
(65–75 CTC)
CTC, high butane activity

Typical Specifications

Specification	Value
CTC Activity	60–75%
Iodine Number	≥1100 mg/g
Butane Activity	≥27%
Bulk Density	480–540 kg/m³
Abrasion Loss	≤3%
Ignition Temperature	≥425 °C

Disclaimer: Specifications shown are typical values and may be customised based on application and contract requirements. Actual performance depends on contaminant type, concentration, humidity, temperature, airflow, contact time, bed design and change-out criteria. Users should conduct trials and technical evaluation to confirm suitability for their specific application.

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