

SLOW-RELEASE GELS & SOLID ADSORBENTS · ZERO-DESORPTION
CHEMISORPTION CHARCOAL

Amino-Acid Modified Activated Carbon Packs

Amino-acid impregnated coconut-shell activated carbon pouches that adsorb and chemically lock formaldehyde without secondary off-gassing.

PATHWAY **Microporous Carbon (≥ 1050 mg/g) + Amino Graft**

TECHNICAL SPECIFICATIONS & OPERATING PARAMETERS

Factory QC Standard · Verified Batch Parameters

Base Carbon & Iodine Value	Virgin Coconut-Shell Columnar/Granular Carbon; Iodine Value ≥ 1050 mg/g
Chemical Modification	8% wt/wt Vacuum-Impregnated Amino-Acid & Catalytic Salt Complex
CTC Adsorption & Moisture	CTC $\geq 65\%$; Moisture Content $\leq 5\%$ upon packing
Standard Pouch Sizes	50g / 100g / 200g / 500g ultrasonic non-woven + linen pouches
Bulk Supply	25 kg moisture-barrier woven sacks for industrial cartridge filling
Product Grade	High-Capacity Chemisorption & Sustained-Release Grade
Specific Gravity / Density	0.48 - 0.78 g/cm ³ (Bulk apparent density)
Flash Point & VOC Content	Non-flammable / Non-combustible under normal indoor conditions · VOC: 0 g/L (Zero VOC emission)
Application Method	Place breathable non-woven pouches directly inside enclosed furniture compartments
Transport & Customs HS Code	Non-Dangerous Goods (Non-DG for Sea/Air) · HS 3802.10.1000
Quality & Test Compliance	ASTM D2867 / GB/T 12496.8 Iodine & Gas-Phase HCHO Chemisorption ($\geq 93.5\%$ enclosed-cavity HCHO & odor capture (60-90 day cycle))