



PetroMAX™

Activated Carbon for Acid Gas Removal (AGR)

Impregnated and Catalytic Activated Carbon Media for
H₂S, SO₂, Mercaptans and Sulfur Compound Control in
Oil & Gas Operations.

Industry Background & Application Overview

This datasheet presents Carbonmax Advantech's activated carbon solutions engineered specifically for demanding Oil & Gas applications. These products are designed to meet international operational, safety, and environmental standards.



Typical Applications

- Natural Gas Processing
- Refinery Operations
- LNG Feed Gas Polishing
- Amine & Sulfur Recovery Units
- Offshore & Onshore Installations

Quality, Certifications & Packaging

Carbonmax manufacturing and quality systems comply with major global standards.



Packaging Options

Packaging Options: 25 kg PP / HDPE woven bags with PE inner liner; 20 kg or 25 kg PE / HDPE valve sacks or moisture-barrier bags for pelletised or impregnated grades where required; 500 kg or 550 kg FIBC / jumbo bags with PE liner; palletised export packing; sealed drums or special moisture-protected packing on request; custom project packing available on request.



Product Variants

Carbonmax offers three performance tiers tailored to customer needs:

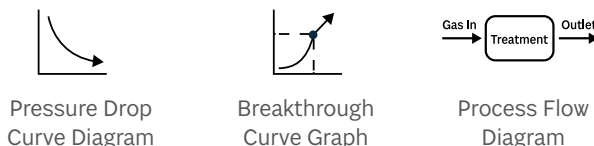
 STANDARD Cost-optimized, reliable performance	 PRO Enhanced adsorption, longer bed life	 ULTRA Premium grade for critical operations
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General Technical Specifications

Specification	Value	Test Method
Iodine Number	1000–1400 mg/g	ASTM D4607
CTC Activity	55–70%	ASTM D3467
Hardness	≥97%	ASTM D3802
Ash Content	≤3%	ASTM D2866
Moisture	≤5%	ASTM D2867

Performance Characteristics

Pressure drop curves, breakthrough graphs, and flow diagrams are used to optimize system design. These are typically customized per project based on gas composition and operating velocity.



Disclaimer: Performance values are typical and must be validated under actual operating conditions. Specifications may be customised based on grade, media chemistry and contract requirements. Breakthrough life depends on gas composition, contaminant concentration, humidity, oxygen content, temperature, pressure, airflow, contact time and bed design. Users should conduct trials or engineering validation before commercial use.

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