ANATOLİA AKTİF KÖMÜR

TECHNICAL DATA SHEET (TDS)

AKARBON 900

Granular hazelnut shell based activated carbon

Akarbon900 is an above average to high activity granular activated carbon produced from a sustainable plant-based raw material, hazelnut shells, using steam and high temperature in a completely chemical-free process. It's high micro and mesoporous structure makes it well-suited for general water treatment applications. It has exceptionally low ash content, providing high purity. The product is offered in various standard particle sizes to meet typical pressure drop and adsorption performance specifications.

Key Characteristics and Advantages

- Dominantly composed of micropores.
- High mesopore content
- Very pure with exceptionally low ash content
- Chemical-free production
- Good hardness
- High adsorption capacity
- High color removal
- Chlorine removal efficiency
- Capacity to remove organic matter

Common Particle Sizes

- 8x30 mesh (2.36 – 0.60 mm)
- 8x18 mesh (2.36 - 1 mm)
- 12x40 mesh (1.70 – 0.425 mm)
- 20x50 mesh (0.85 - 0.30 mm)
- 30x60 mesh (0.60 - 0.25 mm)
- 30x70 mesh (0.60 - 0.21 mm)
- Powder form <150 µm

Packaging Options

- 25 kg sack
- 500 kg big bag
- Alternative packaging available upon request.

SPECIFICATION

Iodine number	min. 900 mg/g
Methylene Blue Adsorption	>150 mg/g
Ash content	max. 3 %
Moisture content	max.5 %
Ball-pan hardness	95%
Apparent density	450 kg/m^3

TYPICAL PROPERTIES

Iodine number	911 mg/g
Ash Content	2.5%

500 kg Big-Bag