ANATOLİA
AKTİF KÖMÜR

TECHNICAL DATA SHEET (TDS)

AKARBON 800

Granular hazelnut shell based activated carbon

Akarbon800 is a medium-activity granular activated carbon made from hazelnut shells, a renewable plant-based raw material. It is produced through steam activation at high temperature, with no chemicals used anywhere in the process. Its well-developed micro- and mesoporous structure makes it a strong fit for general water treatment, while its exceptionally low ash content ensures high purity. Akarbon800 is available in a range of standard particle sizes to match typical pressure-drop and adsorption requirements.

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. 800 mg/g
Methylene Blue Adsorption	>100 mg/g
Ash content	max. 3%
Moisture content	max.5%
Ball-pan hardness	95%
Apparent density	450 kg/m^3

TYPICAL PROPERTIES

Iodine number	850 mg/g
Ash Content	2.5%

500 kg Big-Bag