

eco fresh carbon

Govt of India Recognized One Star Export House

GRANULAR ACTIVATED CARBON – COCONUT BASE CARBON – 8 x30 MESH

Features & Applications

- ❖ Granular Activated carbon of 2.36 mm to 0.60 mm
- ❖ Highly Developed Pore Structure
- ❖ High Adsorption Capacity
- ❖ Excellent VOC receptivity characteristics, works well for the adsorption of small molecules
- ❖ Superior hardness minimizes attrition losses during handling, use and service
- ❖ Very Low ash content
- ❖ Cost effective
- ❖ Easily reactivated for recycle and reuse
- ❖ Backed by technical support and a strong QA/QC program

ECOFRESH granular activated carbon is designed for reduction of tastes, odors and dissolved organic chemicals from municipal and industrial water supplies. Manufactured from select grades of coconut shell coal to produce a high density, durable granular product capable of withstanding the abrasion and dynamics associated with repeated hydraulic transport, backwashing and mechanical handling. Activation is carefully controlled to produce exceptionally high internal surface area with optimum pore size for the adsorption of a broad range of low molecular weight organic contaminants and oxidizing agents like chlorine and ozone.

ADVANTAGES

- Extensive Internal Structure
- Optimized Density
- Neutral Surface

Certification & Approvals: ISO 9001:2015 / Government Of India Recognised One Star Export house



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SPECIFICATION:(8x30 mesh)

- **Grades : 8 X 30 US MESH**
- **Particle size : + 2.36 mm – 5% max
- 0.60 mm – 5% max**
- **Moisture - 5% Max**
- **Ash – 5% Max**
- **pH – 9 to 11**
- **Ball Pan Hardness : 98 Min**
- **Apparent Density : >0.500 g/ml**
- **Iodine – >1050 mg/g Min**
- **CTC – 55% Min**

PACKAGE

Packed in 25kg PP bags,500 Kg JUMBO & 550 Kg JUMBO Bags with palletization.

QUALITY STANDARD

All of the above test methods are performed using **ASTM** protocol for activated carbon.

SUBSTANCE IDENTIFICATION

- **Product Name:** CGV, CGR, NGV, NGR, MGR, CEV
- **CAS Number:** 7440-44-0
- **Formula:** C
- **H.M.I.S. Rating:** H=1, F=1, R=1, PP=E
- **Chemical Name:** Carbon, Activated Carbon, Charcoal, Activated Charcoal

HAZARDOUS INGREDIENTS

- This material is 100% activated carbon. There are no established PEL, TWA or TLV values for this material. Caution should be taken for respirable dust.
- This product has no carcinogenic properties.

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PHYSICAL DATA

- **Description:** Colourless black solid, granule, pellet, or flake.
- **Vapor Pressure:** N/A
- **Boiling Point:** N/A
- **Volatile Percent:** N/A
- **Vapor Density:** N/A
- **Solubility:** Not soluble
- **Apparent Density:** 0.3 to 0.7 g/cc
- **Stability:** Stable
- **Incompatibility:** Avoid contact with strong oxidizers

HANDLING & STORAGE

- **Protective Gloves:** Recommended.
 - **Eye Protection:** Safety glasses/goggles recommended.
 - **Other Protective Clothing:** None required.
 - **Ventilation:** Local exhaust to control dust.
 - **Respiratory Protection:** A high efficiency particulate filter is recommended for dust.
- Work/Hygienic Practices:** Wash thoroughly after handling

SAFETY

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach Hazardous levels.

If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed.

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