

DATASHEETNo. 1111
Sep 2007**DARCO® INSUL**

POWDERED ACTIVATED CARBON

DARCO INSUL is a finely milled activated carbon possessing a very high pore volume and low density. This high pore volume and low density results in an activated carbon with excellent insulation properties.

Product Specifications

Moisture, % as packed	12 max.
Bulk density, tamped, lb/ft ³	20 max.

Typical Properties*

Moisture, % as packed	5
Thermal conductivity (ASTM C177-85), Btu·in·(h·ft ² ·°F) ⁻¹	0.045
Particle size, laser	
d5, µm	2
d50, µm	6
d95, µm	23

*For general information only, not to be used as purchase specifications.

Packaging/Transportation

Standard package is a 500 lb bulk bag. Alternate package includes pneumatic bulk trailer.

Activated carbon (NOT REGULATED)

Exempt from DOT, IATA, and IMDG regulations

Import/Export classification: 3802.10.0000 (HS Tariff Classification)

Domestic Freight Classification: NMFC 040560

CAS # 7440-44-0

Material Handling

Wet activated carbon depletes oxygen from air and, therefore, dangerously low levels of oxygen may be encountered. Whenever workers enter a vessel containing activated carbon, the vessel's oxygen content should be determined and work procedures for potentially low oxygen areas should be followed. Appropriate protective equipment should be worn. Avoid inhalation of excessive carbon dust. No problems are known to be associated in handling this material. This product contains silica. Please see the product Material Safety Data Sheet for details. Long-term inhalation of high dust concentrations can lead to respiratory impairment. Use forced ventilation or a dust mask when necessary for protection against airborne dust exposure (see Code of Federal Regulations - Title 29, Subpart Z, par. 1910.1000, Table Z-3).

Note: Any specification given was valid at time of issuance of the publication. However, we maintain a policy of continuous development and reserve the right to amend any specification without notice.