

**DATASHEET**No. 1230  
Jun 2008**DARCO® H<sub>2</sub>S**

## GRANULAR ACTIVATED CARBON

**DARCO H<sub>2</sub>S** is a specialty activated carbon, developed for removing hydrogen sulfide from air streams and eliminating "sewage odors". **DARCO H<sub>2</sub>S** is the most cost effective carbon based solution available for the removal of "nuisance" type odors. It is produced by steam activation at high temperature using a proprietary process, which does not involve the use of any impregnant. As a result, the risk of bed fires due to exothermic reactions is greatly reduced. **DARCO H<sub>2</sub>S** is produced as a 4x8 mesh granular carbon to provide a low-pressure drop in gas phase applications, making it suitable for use in the adsorption equipment at many of the existing odor control installations.

**Product Specifications**

H <sub>2</sub> S Capacity (ASTM D6646), g/mL	0.2 min.
Moisture, % as packed	8 max.
Mesh size (U.S. Sieve Series)	
Greater than 4 mesh (4.75 mm), %	10 max.
Less than 8 mesh (2.36 mm), %	5 max.

**Typical Properties\***

Apparent density, poured, g/mL	0.40
lb/ft <sup>3</sup>	25
Mean particle diameter, mm	3.4

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

**Packaging/Transportation**

Standard package is 40 lb bags, 30 bags per pallet for a net pallet weight of 1200 lb. An alternate package is a 1000 lb bulk bag.

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).

(continued on reverse side)

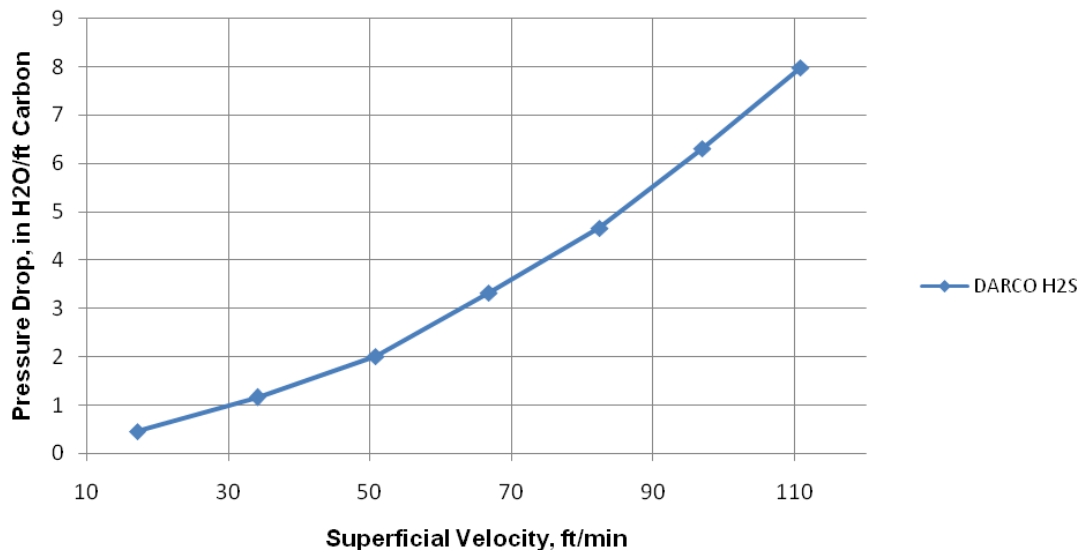
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## DARCO<sup>®</sup> H<sub>2</sub>S (continued)

### Engineering Data

Typical Pressure Drop Curve



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.