

DATASHEETNo. 1206
Sep 2007**DARCO® 20X40 LI**

GRANULAR ACTIVATED CARBON

DARCO 20X40 LI is an acid washed activated carbon produced by steam activation of lignite coal. This grade is manufactured for applications requiring rapid adsorption rate and the treatment of low pH solutions, which are sensitive to extractable iron. This makes **DARCO 20X40 LI** ideal for high purity applications like pharmaceutical processes, plating solutions, organic and inorganic acids.

Product Specifications

Molasses decolorizing efficiency	95 min.
Iron, Zacher method, ppm as Fe	300 max.
Moisture, % as packed	12 max.
pH, water extract	3.5 to 6.0
Mesh size (U.S. Sieve Series)	
Greater than 18 mesh (1.00 mm), %	3 max.
Less than 40 mesh (0.42 mm), %	5 max.
Dust, %	0.40 max.

Typical Properties*

Apparent density, vibrating feed, g/mL	0.40
lb/ft ³	25
Total pore volume, mL/g	0.95

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

Packaging/Transportation

Standard package is 40 lb bags, 30 bags per pallet for a net pallet weight of 1200 lb. Alternate packages include woven polypropylene bulk bags, 880 lb net, with a glued plastic liner.

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).

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DATASHEET

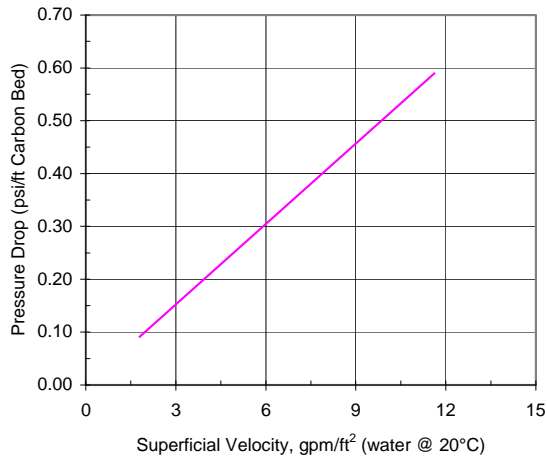
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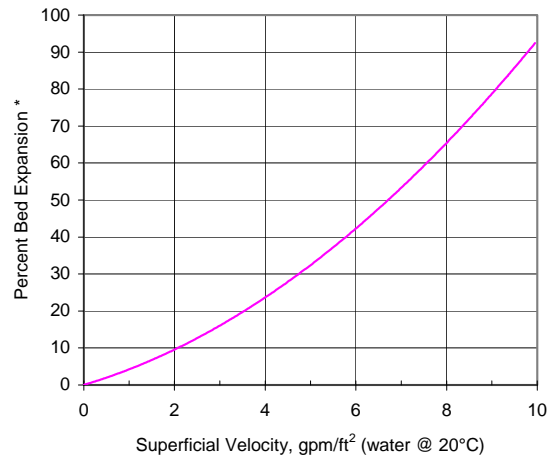
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Engineering Data

**Pressure Drop Curve
for DARCO 20X40 LI**



**Bed Expansion Curve
for DARCO 20X40 LI**



***Expansion is expressed as percent of
the backwashed and settled bed depth.**

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.