

DATASHEETNo. 3361
Sep 2007**SORBONORIT® 4**

EXTRUDED ACTIVATED CARBON

SORBONORIT 4 is a steam activated extruded carbon with a diameter of 4 mm. It is a carbon with superior mechanical hardness that is excellent for solvent recovery applications.

Product Specifications

Butane adsorption at $p/p_o = 0.1$, g/100 g	26-28
Apparent density, kg/m^3	360-400
Moisture (as packed), mass-%	5 max.

Typical Properties

Butane adsorption at $p/p_o = 0.42$, g/100 g	31
Butane adsorption at $p/p_o = 0.01$, g/100 g	20
Benzene adsorption at $p/p_o = 0.1$, g/100 g	42
Carbon tetrachloride activity, g/100 g	80
Surface area (BET), m^2/g	1400
Ball-pan hardness	99
Particle size	
> 3.35 mm, mass-%	99
Ash, mass %	7
Ignition temperature, °C	≥ 490

NOTES

- 1) All analyses based on NORIT Standard Test Methods (NSTM).
- 2) Typical properties for general information only, not to be used as purchase specifications.

Packaging/Transportation

Standard package is 20 kg bags, 40 bags per pallet for a net pallet weight of 800 kg.

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 may contain 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)

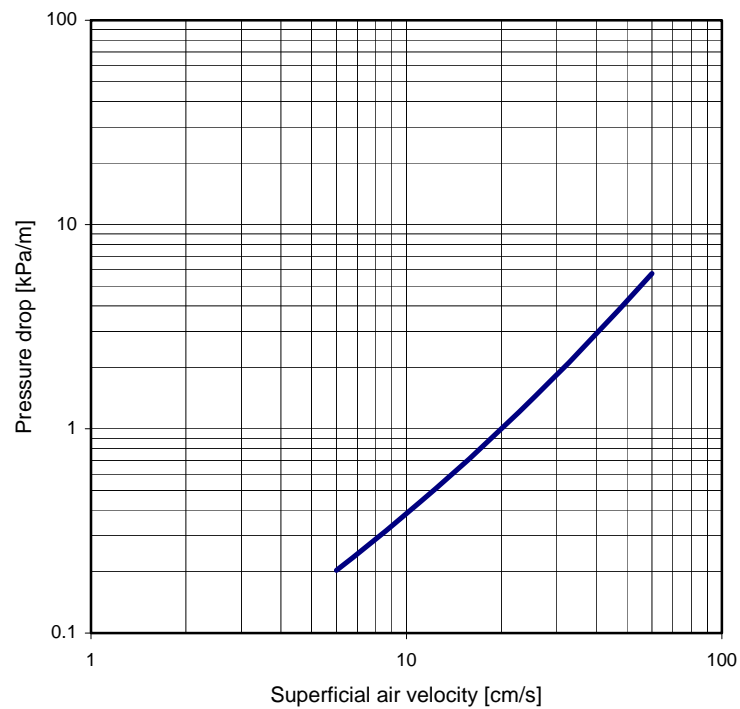
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SORBONORIT® 4 (continued)

Engineering Data

Typical Pressure Drop Curve for 4 mm Extruded Pellets



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.