

DATASHEETNo. 6308
May 2008**NORIT® RB 40M**

EXTRUDED ACTIVATED CARBON

NORIT RB 40M is a steam activated extruded carbon with a diameter of 4 mm. It is a carbon with high adsorptive capacity that is excellent for the removal of low concentrations of contaminants from gases. **NORIT RB 40M** is recommended for applications where carbon bed pressure drop is a major consideration.

Product Specifications

Iodine number, mg/g	950 min.
Carbon tetrachloride activity, g/100 g	60 min.
Ball-pan hardness	95 min.
Moisture (as packed), mass-%	5 max.

Typical Properties*

Butane adsorption at $p/p_0 = 0.42$, g/100 g	24
Apparent density, vibrating feed, g/mL	0.48
	lb/ft ³
	30
Surface area (BET), m ² /g	1100

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

Packaging/Transportation

Standard package is 55 lb bags, 40 bags per pallet for a net pallet weight of 2200 lb.

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).

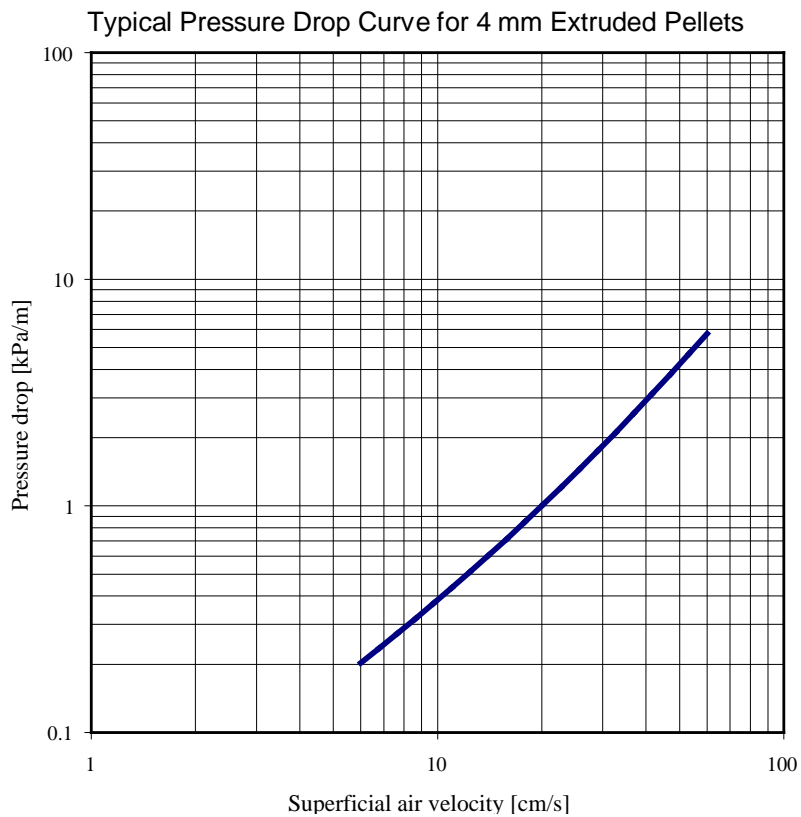
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NORIT[®] RB 40M (continued)

Engineering Data



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.