

DATASHEETNo. 2253
Sep 2007**NORIT VAPURE™ 612**
GRANULAR ACTIVATED CARBON

NORIT VAPURE 612 granular activated carbon is recommended for use in gaseous applications involving purification and separation processes. It is a premium grade product manufactured from select grades of coal. As the result of a unique, patented activation process and stringent quality control, **NORIT VAPURE 612** granular activated carbon offers superior adsorption properties and is recommended for removal of odors, toxic vapors, irritants, corrosive gases, and to recover solvents and hydrocarbons from various gas streams. **VAPURE 612** is Kosher certified.

Product Specifications

Iodine number, mg/g	920 min.
Butane activity, % (ASTM)*	22.5 min.
Hardness number (ASTM)	90 min.
Moisture, % as packed	3 max.
Mesh size (U.S. Sieve Series)	
Greater than 6 mesh (3.35 mm), %	5 max.
Less than 12 mesh (1.70 mm), %	5 max.

Typical Properties**

Apparent density, vibrating feed, g/mL	0.51
lb/ft ³	32
Ignition temperature, °C	≥450

*This butane activity value is equivalent to a carbon tetrachloride adsorption value of 60%.

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

Packaging/Transportation

Standard package is woven polypropylene bulk bags, 1,000 lb net.

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. 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).

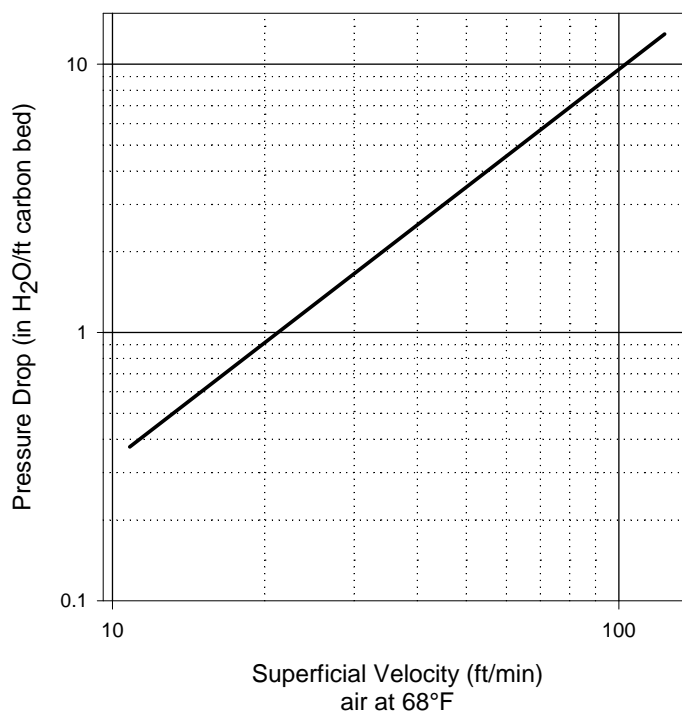
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NORIT VAPURE™ 612

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Engineering Data

Typical Pressure Drop Curve
for NORIT VAPURE 612



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.