

Nuchar[®] SA-T

Powdered Activated Carbon

Nuchar SA-T
CAS Registry No.: 7440-44-0
Components listed in TSCA Inventory

Revised: 10/01/2015

Description

Nuchar SA-T is a high-activity wood based powdered activated carbon with a large amount of pores in the transitional and macro pore range. It is specifically designed for the adsorption of large quantities of high molecular weight substances such as color bodies from liquids. The filtering speed and high surface area make Nuchar SA-T particularly effective for the purification of chemicals and treatment of municipal and industrial wastes.

Typical Application

Batch treatment with Nuchar powdered carbon is a cost effective way to achieve purity and color targets using minimal capital equipment where dosage levels may vary. The capital expense of fixed bed granular carbon vessels and piping systems can be avoided with batch mixing and filter press/leaf filters to remove the carbon.

Samples

Samples are available upon request.

Caution

Never enter tanks or other confined areas containing wet, activated carbon. Wet, activated carbon will adsorb oxygen and asphyxiation may result.

Safety: Always refer to the Safety Data Sheet for detailed information on shipping, handling, storage, and use.

Important: The information provided herein is believed to be accurate and reliable, but is presented without guarantee on the part of Ingevity. Further, nothing contained herein shall be taken as an inducement to violate any patent rights.

Ingevity
5255 Virginia Ave.
North Charleston, SC 29406
800 458 4034
carbon@ingevity.com
ingevity.com



Specifications*

Iodine number (mg/g)	900 min
Molasses Decolorizing Index	14 min
Moisture (% as packed)	10 max

Typical Properties**

Apparent density (lbs/ft ³)	20 - 23
Apparent density (kg/m ³)	320 - 370
pH	2.0 - 8.0
Surface area (m ² /g)	1400 - 1800
Pore volume to 1000 Å (cc/g)	1.1 - 1.3
Water solubles (%)	3 - 6
Sieve Analysis	
- % thru 100 mesh (150 μ)	95 - 100
- % thru 200 mesh (75 μ)	85 - 95
- % thru 325 mesh (45 μ)	65 - 85

Packaging

Bulk trucks	30,000 lbs (13,608 kg)
Bulk rail cars	80,000 - 100,000 lbs (36,288 - 45,360 kg)
Multiwall bags	45 lbs (20.4 kg)
Bulk bags	750 lbs (340 kg)

*Specifications and typical property data as produced using Ingevity procedures.

**Typical properties are for general information and are not to be construed as purchase specifications.

