

PRODUCT DATA BULLETIN

Description and Typical Applications

Nuchar SN is a high-activity powdered activated carbon with large preponderance of pores in the meso and macro pore range. This makes it particularly efficient for the adsorption of large quantities of high molecular weight materials such as color bodies. The neutral pH and filtering speed make Nuchar SN ideal for decolorizing liquid sugars. The purification of other food products, chemicals, and pharmaceuticals requiring a neutral pH may also be assured with Nuchar SN. Nuchar SN meets the food-grade quality of activated carbon as defined in the current edition of the Food Chemicals Codex and is Certified to NSF/ANSI Standard 61.

Specifications*

Iodine Number, (mg/g)	900 min
Molasses Decolorizing Index	14 min
Filtering Time, (sec)	50 - 100
Moisture, As Packed (%)	10 max
pH	6 - 8

Typical Properties *⊥

Apparent Density, (lbs/ cu ft)	20 - 23
Apparent Density, (kg/m ³)	320 - 370
Ash, (%)	5 - 7
Surface Area, (m ² /g)	1400 - 1800
Pore Volume to 1000 Å (cc/g)	1.1 - 1.3
Water Solubles (%)	1 - 3
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 - Approximately 30,000 pounds	(13,608 kilograms)
Bulk Rail Cars - 80,000 - 100,000 pounds	(36,288 - 45,360 kilograms)
45-pound Bags (On nonreturnable wood pallet)	(20.4 kilograms)
Bulk Bags - 750 pounds	(340 kilograms)

*Specifications and typical property data as produced using MeadWestvaco procedures. (Rev 04/09)

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

CAS Registry Number: 7440-44-0

The information contained herein is believed to be accurate, but no warranty is given nor is freedom from any patent to be inferred.

MWV
Specialty Chemicals
P.O. Box 140
Covington, VA 24426
FAX: (540) 965 0230

Toll Free: 800-284-1724
Email: carbon@mwv.com

World Wide Web: <http://www.mwv.com>

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Samples: Samples are available from MeadWestvaco's Carbon Department. To request a sample, call, write or e-mail us.

Safety: Always refer to the Material Safety Data Sheet for detailed information on safety. Contact us for MSDS information.

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

