

PRODUCT DATA BULLETIN

Description and Typical Applications

Nuchar SA-1500 is a high-activity powdered activated carbon with an extremely high surface area and a large number of pores in the meso pore range. It is specifically designed for the adsorption of large quantities of high molecular weight substances such as color bodies. Specific cost effective areas are in pharmaceutical and fine chemical purification as well as purification of food products such as hydrolyzed vegetable protein, corn syrup and monosodium glutamate. Nuchar SA-1500 meets the food-grade quality of activated carbons as defined in the current edition of the Food Chemical Codex and is Certified to NSF/ANSI Standard 61.

Specifications*

Iodine Number, (mg/g)	1200 min
Molasses Decolorizing Index	14 min
Filtering Time, (sec)	50 - 100
Moisture, As Packed (%)	10 max
pH	4 - 6

Typical Properties *₁

Apparent Density, (lbs/ cu ft)	20 - 23
Apparent Density, (kg/m ³)	320 - 370
Ash, (%)	3-6
Surface Area, (m ² /g)	2000 – 2400
Pore Volume to 1000 Å (cc/g)	1.3 – 1.5
Water Solubles (%)	1.0 – 2.5
Sieve Analysis:	
% Thru 100 mesh (150 μ)	90 - 100
% Thru 200 mesh (75 μ)	60 - 80
% Thru 325 mesh (45μ)	40 – 60

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)	(18.2 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

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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.



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