

# MWV Specialty Chemicals NUCHAR® BX-7540

Carbon Department

## PRODUCT DATA BULLETIN

### Description and Typical Applications

Nuchar BX-7540 is a premium gas-phase extruded carbon. The high activity, exceptional hardness, low flow resistance, low density, and high working capacity make this carbon a superior and cost-effective adsorbent in solvent recovery applications. With its high adsorptive capacity, it also has application in odor control, as a catalyst or catalyst support, and many other industrial purification and separation processes. This carbon can be regenerated in situ with steam or hot inert gas or externally by thermal treatment.

### Specifications\*

|                                |        |
|--------------------------------|--------|
| CCl <sub>4</sub> (%)           | 75 min |
| Hardness (ASTM)                | 95 min |
| Moisture, (% As Packed)        | 5 max  |
| Ash (%)                        | 9 max  |
| Particle Size Distribution (%) |        |
| -6 Mesh                        | 5 max  |

### Typical Properties \*<sub>⊥</sub>

|                                                         |             |
|---------------------------------------------------------|-------------|
| Hardness (ASTM)                                         | 99          |
| Apparent Density, [ASTM] (gm/cc)                        | 0.36 - 0.41 |
| Iodine Number (mg/g)                                    | 1000        |
| Nominal Pellet Diameter (mm)                            | 4.0         |
| Surface Area, [Nitrogen BET Method] (m <sup>2</sup> /g) | 1100-1300   |
| Ignition Temperature, [ASTM] (°C)                       | 450         |

### Packaging

50-pound Box (22.7 kilograms)

Bulk Bags - 800 pounds (363 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.

