

AmberSorb™ 560 Carbonaceous Adsorbent

For the Removal of Organic Compounds from Liquid or Vapor Streams in Drinking Water or Chemical Processing

Description

AmberSorb™ 560 Carbonaceous Adsorbent is an effective, synthetic media adsorbent for treating 1,4-dioxane and other low-level organic contaminants in drinking water, groundwater, and wastewater. AmberSorb™ 560 is regenerable *in situ* using low-pressure steam, hot gases, solvents, or vacuum desorption.

AmberSorb™ 560 adsorbent offers the following advantages over granular activated carbon (GAC):

- Increased capacity for low contaminant concentrations
- Insensitive to fluctuating influent concentrations
- Faster desorption kinetics
- *In situ* regenerability
- Excellent physical stability

Applications

- 1,4-dioxane removal
- Removal of organics from drinking water
- Removal of organics from vapor
- Groundwater and wastewater remediation

Typical Properties

Physical Properties	
Matrix	Carbonaceous adsorbent
Type	Adsorbent
Functional Group	None
Physical Form	Black, opaque, spherical beads
Nitrogen BET	
Surface Area	≥ 450 m ² /g
Total Pore Volume	0.60 cc/g
Chemical Properties	
Moisture Content	≤ 3.0%
Water Adsorption	10% (at 80% Relative Humidity)
Particle Size §	
< 300 μm	≤ 4.0%
> 710 μm	≤ 20.0%
Stability	
Friability:	
Average	≥ 1000 g/bead
Density	
Shipping Weight	530 g/L

§ For additional particle size information, please refer to the [Particle Size Distribution Cross Reference Chart](#) (Form No. 45-D00954-en).

Product Stewardship

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Customer Notice

DuPont strongly encourages its customers to review both their manufacturing processes and their applications of DuPont products from the standpoint of human health and environmental quality to ensure that DuPont products are not used in ways for which they are not intended or tested. DuPont personnel are available to answer your questions and to provide reasonable technical support. DuPont product literature, including safety data sheets, should be consulted prior to use of DuPont products. Current safety data sheets are available from DuPont.

Please be aware of the following:

- **WARNING:** Oxidizing agents such as nitric acid attack organic ion exchange resins under certain conditions. This could lead to anything from slight resin degradation to a violent exothermic reaction (explosion). Before using strong oxidizing agents, consult sources knowledgeable in handling such materials.

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