



Product Data Sheet

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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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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