

MRA Product Data Sheet

Vapor Phase Mercury Removal Activated Carbon

Description

Newterra MRA is a high activity coal based activated carbon which is specially impregnated for removal of mercury. The extensive surface area permits optimum distribution of the impregnated reagent, for maximum reaction rate and full stoichiometric utilization. The finished activated carbon retains sufficient unimpregnated surface area to function as an effective adsorbent in addition to its primary chemisorption role, thus allowing reduction of a wide variety of organic contaminants.

Typical Properties	Newterra MRA
U.S Sieve, 90 wt% min	4 mm
Apparent Density, (<i>dense packing</i>)	
g/cc	0.50 - 0.57
lbs/ft ³	32 - 36
Moisture - wt% max (<i>as packaged</i>)	3
Mercury capacity, wt%	65
CCI4 Number, min (<i>carbon substrate</i>)	60

Typical Applications

Newterra MRA activated carbon is recommended for applications where mercury is to be removed from natural gas, air, hydrogen or other gas streams.

Product Specifications

Standard packaging of the activated carbon is in 1,100 lb supersacks. Metal drums, fiberdrums and 50 lb bags, are available for a premium.

Wet drained activated carbon adsorbs oxygen from the air. Therefore, when workers need to enter a vessel containing wet activated carbon, they should follow confined space/low oxygen level procedures. Activated carbon dust does not present an explosion hazard.

What's Your Unique Water Question?

For just about any water problem, Newterra has you covered. Our temporary ownership and rental solutions can save precious capital while solving a critical need. Newterra offers flexible terms and conditions to suit any customer.

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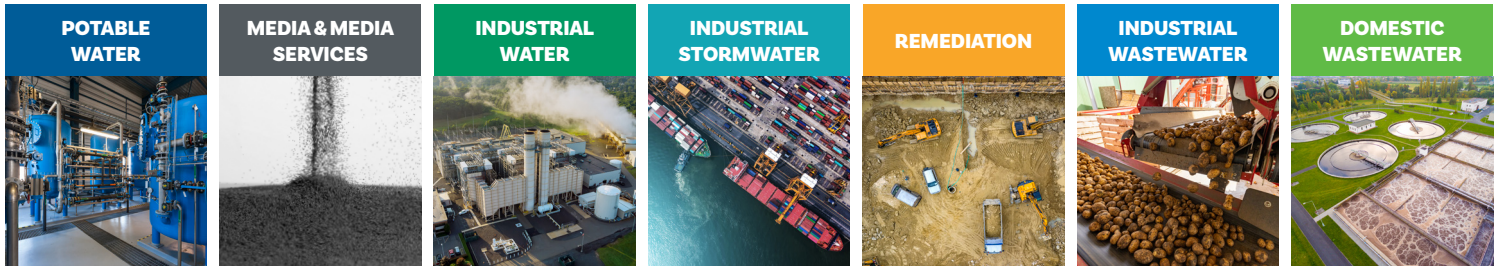
Advantages of Activated Carbon

Also known as **activated charcoal**, offers several advantages due to its unique properties and versatile applications such as:

- Adsorption
- Water Purification
- Toxin Removal
- Chemical Stability
- Odor Removal
- Air Purification



“With Newterra, it’s more than a service; it’s a partnership... minimizing media consumption and maximizing efficiency.”



From Source to Solution – Choose Newterra

Your trusted partner for comprehensive environmental solutions

With **technology brands whose histories expand back for more than 150 years**, Newterra has steadily grown from its roots to become a global solutions provider in water and wastewater treatment. Our journey is a testament to our deep understanding of the multifaceted challenges across various markets and applications.

Our “One Newterra” ethos is a commitment to providing a comprehensive array of technical solutions, ensuring we address the full spectrum of our clients’ needs. This dedication extends beyond technology, as we nurture enduring partnerships with our clients, standing by them throughout every phase of their challenges. At the heart of Newterra is our unwavering commitment to sustainability.

Our people, our technologies and our practices contribute meaningfully to a sustainable and brighter future.



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