

a breath of fresh air

Haycarb Activated carbon Solutions



Fresh air may be a gift of nature, but keeping it that way demands special knowledge, skills and equipment. Haycarb has spent over four decades perfecting the most effective ways to remove gaseous and vapor contaminants from air using activated carbon. Our products are in daily use in a huge variety of critical air treatment applications. Meanwhile, our research and development experts are hard at work analyzing the evolving needs of industry and the public sector, developing and often tailoring more effective, custom products and processes to meet them.

These solutions are based on activated carbon products of very high purity and quality, designed and manufactured to provide the optimum balance of pore volume, pore size distribution, surface chemistry, density, and hardness for a given application. These activated carbon products can serve as the base material for a wide range of special chemical impregnation and surface treatments that allow

removal of identified toxic and harmful contaminants through chemisorption or catalysis.

Black for Purity

Activated carbon has been used in air purification processes for over a century. The porous structure of activated carbon creates very high surface area and surface activity to attract and hold molecules, effectively removing them from the airstream. When impregnated with chemical reagents applied uniformly through the carbon structure, specific contaminants passing through the carbon bed can also be filtered out.

The coconut-shell carbon used in all our products has a highly microporous structure, particularly well suited to the removal of small molecules such as volatile organic compounds. Its activity can be very precisely specified for any given application, while its high density and hardness provide for a robust bed, which is resistant to rough usage.

Filter it out

A well-designed air filter must maximize gas adsorption while minimizing flow resistance. Our carbon products are available in a very wide range of particle size distributions to give filter designers optimal choice. The high purity and low dust content allow for easy incorporation into laminated and pleated media that combine maximum surface area and minimum pressure drop.

Talk to us about what you need

Our capabilities extend to a very wide range of product specifications. Please contact us to discuss your specific needs.



Haycarb Filtration products are used for the following

- Solvent recovery
- Vehicle cabin and room air filters
- Respiratory protective devices such as gas masks
- Fume cupboards in universities, hospitals, laboratories, etc.
- Removal of mercury and other contaminants from exhaust gases
- Collective protection filters for ships, vehicles, and buildings
- Compressed air filters for high purity industrial or breathing air
- Removal of specified contaminants during nuclear power generation operations
- Acidic gas removal in sewage air treatment (H₂S removal) and control room applications

Technical Information

Parameter	Typical Values
Iodine No ASTM D4607	600-1,300 mg/g
Ash Content ASTM D2866	3% max GAC, 12% max Pellets Acid & water washed materials with low ash are available
Hardness No ASTM D3802-99	97 min (99 typical)
Particle Size ASTM D2862-10	4 x 8, 6 x 12, 8 x 16, 12 x 20, 30 x 60 3mm, 4mm

We provide custom designed products for specific customer applications within the general range.



Packaging

Standard packaging is designed primarily to prevent deterioration of accurately graded granules and preclude the adsorption of moisture or atmospheric contaminants. Other packaging criteria can be accommodated on request.

Bulk Bag
Net. 500 Kg

Sacks
Net. 25 Kg

Product Testing Services

Haycarb's Research & Development laboratories in Sri Lanka and its overseas subsidiaries are equipped to perform all the standard testing required for Activated Carbons together with any other specialized product or application related testing requirements.

Warranty Disclaimer

Please confirm the specification of any particular grade with your representative prior to purchase. The user is responsible for ensuring that the product is correctly specified prior to purchase and Haycarb makes no express warranty as to suitability for specific application.



Haycarb Activated Carbon grades that are Tested and Certified by NSF International against NSF/ANSI Standard 42 for material requirements only, are listed on: www.nsf.org/certified/OWT/



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Activated carbon solutions

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