



What is Activated Carbon Felt?

Activated Carbon Felt (ACF) is a porous form of carbon which can be manufactured from a variety of caronaceous raw materials. Our premium material is produced from carbon fiber and activated by gas flow to develop a high surface pore structure and specific surface area ranging from 950-1500 M2/g dependent on grade. Due to the material's excellent adsorption properties, ACF is commonly used for recovery, purification, and filtration applications. Recommended max temperature is 725°F (400°C) in an oxidizing atmosphere, and 1472°F (800°C) in vacuum or inert atmospheres. Additionally, Material regeneration using heat or other methods is excellent as adsorption capacity is approximatly the same after many regeneration cycles.



Material Benefits

- Heat, acid, and alkaline resistant
• Large adsorption volume
• Fast adsorption speed
• Specific surface area of 950-1500 M2/g, dependent on grade
• Regeneration of material convenient and easy at relative low temperatures

Applications

- Solvent and organic compound recovery
• Air purification & Water treatment
• Gas Masks & Cigarette filtration
• Nuclear air cleaning systems
• Ozone elimination filter and deodorizer
• Gasoline fumes
• Vaporization protection for cars

Stocked Sizing and Custom Production

Activated Carbon felt is a custom production material and made to order. Our office does stock A4 samples for smaller applications and testing purposes. Contact us directly for larger sizes and custom quote request.

Table with 6 columns: Properties, Unit, ACF1000, ACF1300, ACF1500, ACF1600. Rows include Density per meter2, Specific Surface Area, Micropore Diameter, Micropore Volume, Benzene Absorption Capacity, Iodine Absorption Value, Methylene Blue Absorption Value, PH Value, Fire Point Centigrade, and Recommended Max Temp for Oxidizing and Vacuum or Inert Atmosphere.