PureAir Activated Carbons

Description:
Activated carbons are one of the most cost effective methods of gas removal. Many types of activated carbons are available. Activated carbon is used for purifying air and water because it acts as an adsorbent, and can effectively remove particles and organics from water, and odors from air. One of the best materials for reducing risks to human health, this material is also aesthetically pleasing. Each activated carbon has its own specific benefit. Unless specified otherwise, PureAir provides AC-X type carbon as a standard.

AC-X - Extruded Activated Carbon Because of its shape, performance, and low cost extruded carbon has become the standard over the past decade. PureAir carbon has a low dust, high activity level, economical choice. Shape: 4mm Cylindrical

AC-G—Granular Activated Carbon Our standard virgin carbon is manufactured from select grades of bituminous coal under strictly controlled steam activation conditions. This carbon is irregularly shaped and granular in appearance. With a highly developed porous structure, large surface area, high adsorption rate, small bed resistance and high mechanical strength, it is suitable for a wide range of water treatment and vapor adsorption applications.

AC-C—Coconut Shell Carbon Produced from the shell of coconuts, this carbon is considered the finest in the world for air purification. The reason for this is that the coconut shell forms pores which are just the right size to capture many gases and odors. Coconut shell carbon has a higher pressure drop (1.8" per foot at 70 fpm)
Physical Characteristics: Shape: Flat

General Specifications

1. Carbon Tetrachloride Activity (wt. %) 60min.
2. Iodine Number (mg/g) 1200 min.
3. Hardness Number 95% min.
4. Apparent Density (g/ml) 0.44 typical
5. Total Surface Area (N_2 -- BET method) 1150 - 1250 m^2/gm
6. Total Ash Content 5% max.
7. Moisture 5% max.
8. Mesh Sizes: 4 x 6, 4 x 8, 4 x 10

CAUTION: WET ACTIVATED CARBON DEPLETES OXYGEN FROM AIR - Whenever workers enter a vessel containing carbon, all precautions must be taken since dangerously low levels of oxygen may be encountered. Atmosphere sampling and work procedures for potentially low oxygen areas should be followed.

Remaining Life Testing: Pure Air Filtration provides free quarterly media testing for the life of the media installation. This testing provides critical data including remaining carbon life, total life prediction, and projected replacement date. Data is provided for each of the separated components of a blend. All analyses are performed at our certified laboratory.

Pure Air Filtration, LLC
6050 Peachtree Pkwy Suite 240-187
Atlanta, GA 30092 USA
+1 (678) 935-1431 toll free 1-866-543-7479
Fax +1 (678) 935-0648

Visit us at: www.PureAirFiltration.com or
write us at: info@PureAirFiltration.com