CAPACITY INDEX CHART

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Some of the contaminants listed in the table are specific chemical compounds. Some represent classes of compounds and others are mixtures and of variable composition. Activated charcoal capacity for odors varies somewhat with the concentration in the air with humidity and temperature. The numbers given represent typical or average conditions and might vary in specific instances.

The capacity index has the following meaning—

4. High capacity for all materials in this category. One pound takes up about 20% to 50% of its own weight—average about 1/3 (33-1/3%). This category includes most of the odor causing substances.
3. Satisfactory capacity for all items in this category. These constitute good applications but the capacity is not as high as for category 4. Absorbs about 10 to 25% of its weight—average about 1/6 (16.7%).
2. Includes substances which are not highly adsorbed but which might be taken up sufficiently to give good service under the particular conditions of operation. These require individual checking.
1. Adsorption capacity is low for these materials. Activated chacoal cannot be satisfactorily used to remove them under ordinary circumstances.

*For the asterisked compounds, impregnated carbon or purafil material (or equivalent) will greatly increase the adsorption ability.