

ABSTRACT

An adsorbing/desorbing agent including porous carbon is provided that can smoothly adsorb or desorb gases and liquids.

An adsorbing/desorbing agent includes a porous carbon having micropores and
5 mesopores and/or macropores, wherein each of the three types of pores has an outer wall
made of a carbonaceous wall and the micropores are formed so as to communicate with
the mesopores and/or the macropores. The adsorbing/desorbing agent is characterized in
that x is within the range $1.0 \times 10^{-5} \leq x \leq 1.0 \times 10^{-4}$, and the relation between x and y
satisfy the following expression (1), where x is a relative pressure (P/P_0) measured using
10 nitrogen as an adsorptive gas at 77 K and y is a mass transfer coefficient (K_{sap}):

$$y \geq 1.67 \times 10^{-1}x + 2.33 \times 10^{-6}. \quad \dots (1)$$

[Fig. 5]