



KIT-6

cubic mesoporous SiO_2

Chemical Data

Chemical composition:

SiO_2 ($M_w = 60.1 \text{ g mol}^{-1}$)

Min./Max. quantity: 1 gram
10 grams

Air and moisture sensitivity:

stable under hydrothermal conditions

Colour: colorless

Pore size: 7-9 nm

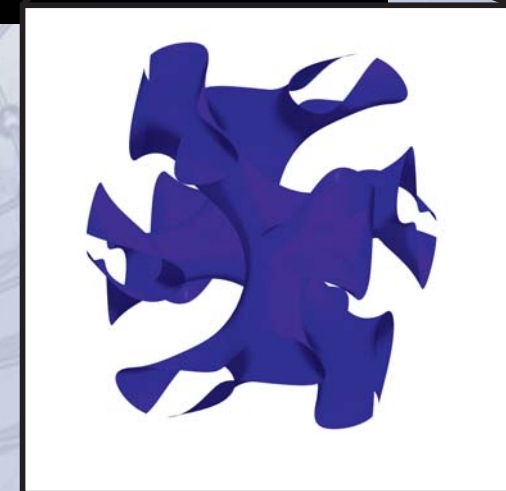
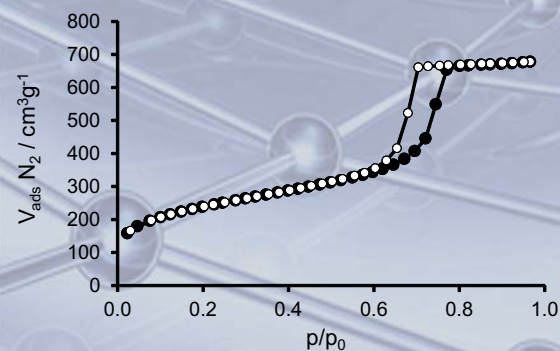
Single point BET ($p/p_0 = 0,3$):

$\sim 800 \text{ m}^2\text{g}^{-1}$

Specific pore volume ($p/p_0 = 0,9$):

$\sim 1.0 \text{ cm}^3\text{g}^{-1}$

Adsorption isotherm (77 K):



Information, quantities and prices:

Materials Center

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http://www.chm.tu-dresden.de/ac1/materials_center/

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Literature

F. Kleitz, S. H. Choi, R. Ryoo, *Chem. Commun.* **2003**, 2136–2137.