



TECHNISCHE
UNIVERSITÄT
DRESDEN



Highly Porous
Metal-Organic Framework

Information, quantities and prices:

Materials Center

Phone: +49 351 463 - 34864

Fax: +49 351 463 - 37287

materials.center@chemie.tu-dresden.de

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

TU Dresden

Department of Chemistry and Food Chemistry

Inorganic Chemistry I

01062 Dresden

Chemical Data

Chemical composition:



Min./Max. quantity: 1 g

Air and moisture sensitivity:

sensitive to moisture when activated

Colour: colourless crystals

Particle size: 50 - 500 μm

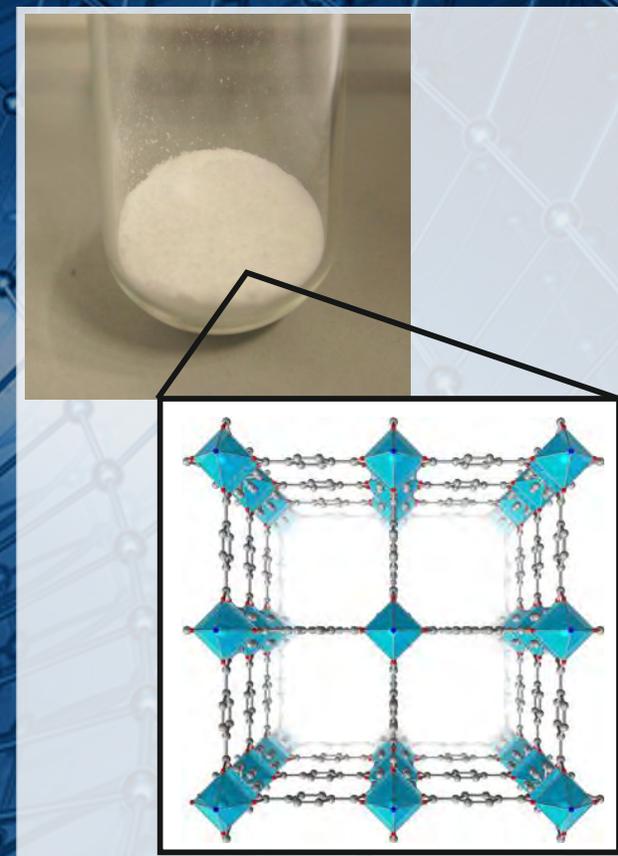
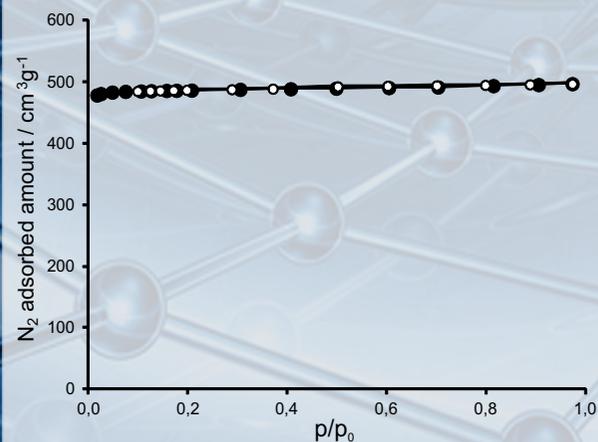
Single point BET ($p/p_0 = 0.3$):

1400 m^2g^{-1}

Specific pore volume ($p/p_0 = 0.9$):

0.75 cm^3g^{-1}

Adsorption isotherm:



Literature

D. N. Dybtsev, H. Chun, K. Kim,
Angew. Chem. Int. Ed., **2004**, *43*,
5033 – 5036