



TECHNISCHE
UNIVERSITÄT
DRESDEN

FeBTC-Gel



Highly Porous
Metal-Organic Framework Gel

Information, quantities and prices:

Materials Center

Phone: +49 351 463 - 34864

Fax: +49 351 463 - 37287

materials.center@chemie.tu-dresden.de

www.metal-organic-frameworks.eu

TU Dresden

Department of Chemistry and Food Chemistry

Inorganic Chemistry I

01062 Dresden

Chemical Data

Chemical composition:



Min./Max. quantity: 1000 g

Air and moisture sensitivity:

stable in air and against moisture

Colour: orange to dark brown

Particle size: 10 - 1000 μm

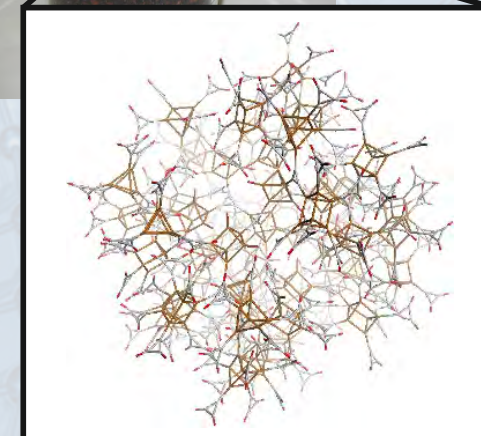
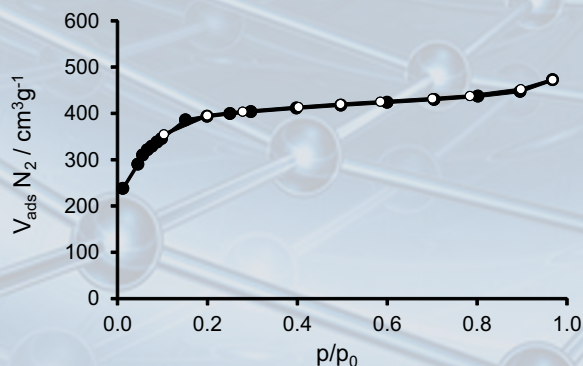
Single point BET ($p/p_0 = 0.3$):

700 - 1200 m^2g^{-1}

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

0.4 - 0.6 cm^3g^{-1}

Adsorption isotherm:



Literature

M. R. Lohe, M. Rose, S. Kaskel, *Chem. Commun.* **2009**, 6056 - 6058.