



TECHNISCHE  
UNIVERSITÄT  
DRESDEN

## Kroll-Carbon

Hierarchical Carbon

Well-defined and  
High Porosity

Information, quantities and prices:

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Fax: +49 351 463 - 37287

materials.center@chemie.tu-dresden.de

[http://www.chm.tu-dresden.de/ac1/materials\\_center/](http://www.chm.tu-dresden.de/ac1/materials_center/)

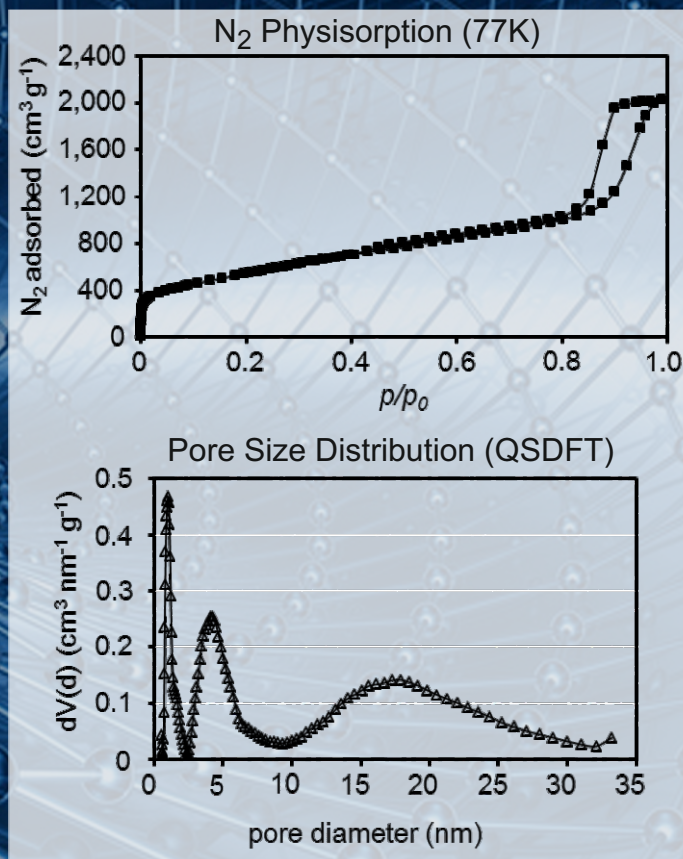
TU Dresden

Department of Chemistry and Food Chemistry

Inorganic Chemistry I

01062 Dresden

### Adsorption Data



### Chemical Data

#### Chemical Composition:

C ( $M_w = 12.01 \text{ g mol}^{-1}$ )

Packaging Unit: 1 g

#### Air and Moisture Sensitivity:

stable in air and against water

Colour: black

Average Particle Size: 500  $\mu\text{m}$

#### Specific Surface Area:

1990  $\text{m}^2\text{g}^{-1}$  (Single Point BET,  $p/p_0=0.3$ )

#### Specific Pore Volume:

3.1  $\text{cm}^3\text{g}^{-1}$  ( $p/p_0 = 0.98$ )

Kroll-Carbon is a highly porous carbon material with a hierarchical pore architecture, containing well-defined micropores and adjustable mesopores. It is suitable for applications in separation and purification, like the removal of VOCs (volatile organic compounds), and biomolecules, but also for the encapsulation of enzymes, or as an electrode material for supercapacitors and batteries.

### Photograph

