



# DATA SHEET active® gc

## activated carbon nominal diameter 4 mm

### Resource base:

- calcined coal, mineralises binder, steam activated

### Particular qualities:

- high performance-activated carbon
- complete open pore system (also microporous)
- good physical adsorption achievement due well developed microporous system
- excellent load capacity for VOC and Siloxane

### Application:

Suitable for technical and biogenic gas streams

specifications	Unit	Value	Test method
pellet diameter > 3,9 mm	wt.-%	> 96	NEC HM 01
Bulk density, compacted	kg/m <sup>3</sup>	520 ±20	DIN EN ISO 787 part 11
BET - surface	m <sup>2</sup> /g	> 900	DIN 66 131
hardness (abrasion hardness)	wt.-%	> 98	NEC HM 03
moisture – at packing	wt.-%	7	DIN 51718

### General Characteristics (Information)

Bulk density loos	kg/m <sup>3</sup>	515 ±20	
Benzene loading from the air, 20 °C (caclulated from cyclohexan load) bei p/ps * 0,9 0,1 0,01	wt.-%	> 38 > 32 > 22	
Micro pore - volume	ml/g	> 0.38	DIN 66 135
Total ash content	wt.-%	7-9 ±3	DIN 51719 (650°C)
pH-value		8-9	CEFIC 3.6

\*ps: vapour pressure benzene, saturation concentration 320 g/m<sup>3</sup>

The typical product characteristics based on mean values from current production. The specification data represent our standard product specifications.

### Standard packaging:

approx. 500kg Big-Bag on pallet