

# Silcarbon K124

## Technical data sheet

SILCARBON K124 is a granular activated carbon, manufactured from coconut shells by the steam activation process.

SILCARBON K124 is specifically designed for the purification of drinking water. Because of its very large internal surface, specified by the iodine number, SILCARBON K124 can adsorb large quantities of (chlorinated) organics, polyaromatic hydrocarbons or other dissolved organic contaminants.

Due to the combination of a high apparent density and the large internal surface, the loading of contaminants adsorbed on the SILCARBON K124 is generally higher than any competitive carbon. Advantage: longer lifetime of the activated carbon.

Furthermore SILCARBON K124 is applied in waste water plants as well as swimming pools to remove chlorine and ozone from the water.

### Fields of application:

- potable water plants (removal of (chlorinated) organics, pesticides, herbicides)
- swimming pools (decomposition of chlorine and ozone)
- waste water treatment

### Technical data

Appearance:	granular carbon
Apparent density	520 +/- 30 kg/m <sup>3</sup>
Density after backwashing and draining	470 +/- 30 kg/m <sup>3</sup>
Particle size	95 % within 0,425 – 1,7 mm (12x40 mesh)
Water content, as packed	5 % max.
Ash content	4 % max.
Iodine number	1.050 mg/g min.
Specific surface area	approx. 1250 m <sup>2</sup> /g
Half value thickness for chlorine	2,5 cm typical
Ball pan hardness	99 % typical
Standard packing	bags, 25 kgs net each or bigbags, 500 kgs net wt. ea.

Our Silcarbon-information is based upon extensive investigations and can be regarded as reliable advice, however without any obligation

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